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DRUG & CHEMICAL MARKETS

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A Weekly Business Paper for Those Who Make, Sell, or Buy
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VOLUME XI,

NEW YORK, NOVEMBER 1, 1922

No. 18

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Table of Contents

EDITORIALS—

Expanding Our Foreign Trade	1111
Ignorance of the Law	1112
Many Men: Many Minds	1112

FEATURE TRADE ARTICLES—

To Build or Remodel. An Expert's View as to Whether It Is Cheaper and More Effi- cient To Build a New Chemical Plant or Remodel an Old One. By John G. Ahlers, Secretary-Treasurer, Barney-Ahlers Con- struction Corporation	1113
U. S. Essential Oil Output Declines. Value of Production in 1921 Only \$3,271,120 Com- pared with \$5,698,404 in 1919. New Jersey Leads All States	1115

TRADE NEWS—

Chemical Foundation Files Answer to Govern- ment Suit for Recovery of German Patents Seized During the War	1117
Uruguay To Put Medicinal Imports Under Much Stricter Regulations	1116
Exporters Told that Tariff Problems Are Too Technical for Congressmen	1118
Handling Chemicals by the Boat Load....	1119
How To Apply for Tariff Changes and Char- acter of Evidence Required	1120
Rubber Companies Making Contracts for 1923 Supplies of Crude Product	1134
Germany's Production of Nitrates Nearly Double the Pre-War Output	1137

MARKET REPORTS—

Heavy Chemicals	1122-1123
Fine Chemicals	1124-1125
Intermediates and Dyes	1126-1127
The Oil Market	1128-1129
Crude Drugs	1130-1131
Essential Oils	1132-1133
The Consuming Industries	1134-1135
Foreign Market	1136-1137

PRICES CURRENT	1138
IMPORTS	1159
WANTS and OFFERS	1162
BUYER'S GUIDE	1163
INDEX TO ADVERTISERS	1164



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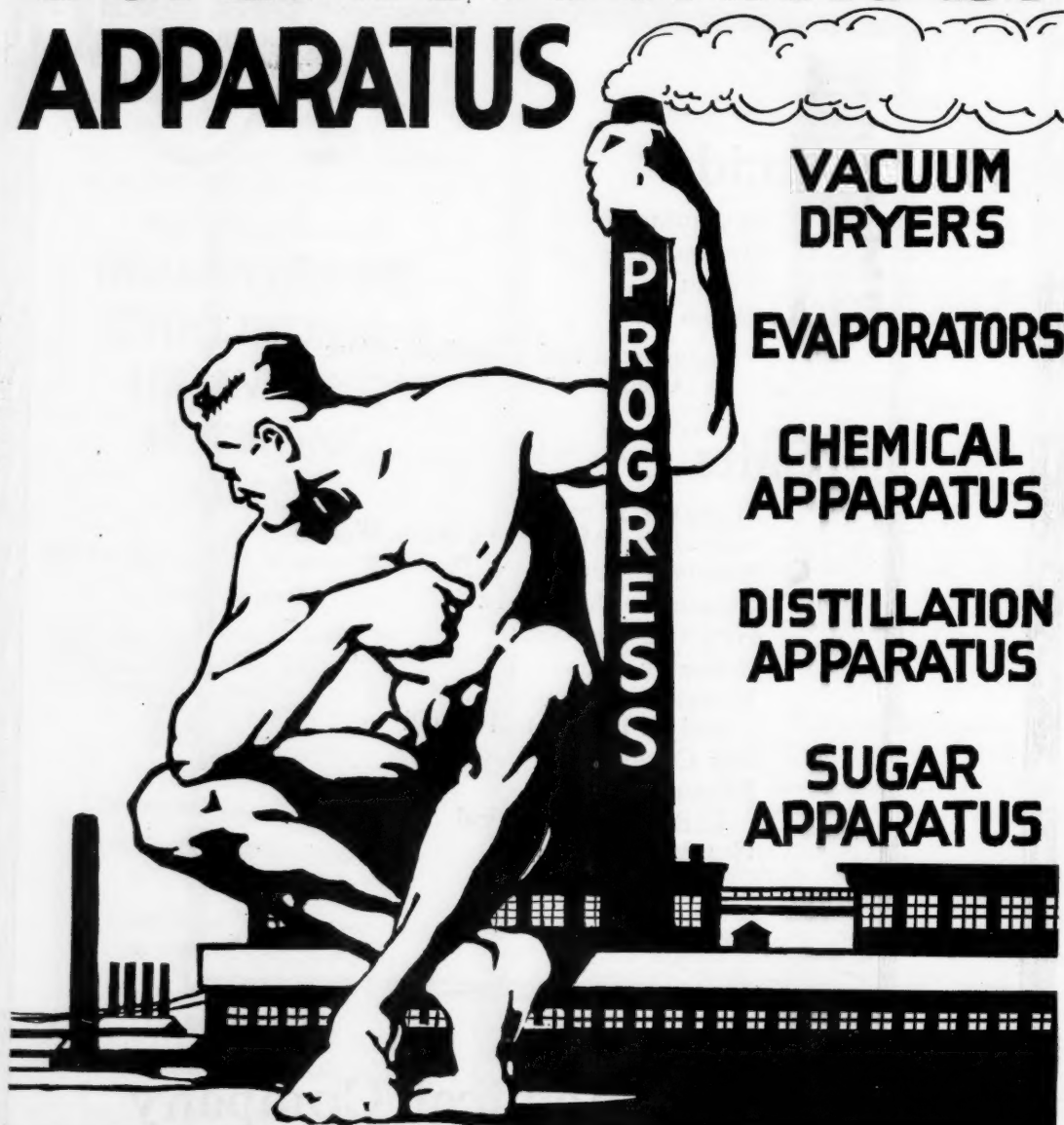
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DRUG & CHEMICAL MARKETS

3 PARK PLACE, NEW YORK

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[NOVEMBER 1, 1922]

IGNORANCE AND PREJUDICE

In a Government based upon universal suffrage two dangerous, double-edged political weapons are ignorance and prejudice. Their careless use is a matter of serious concern. Their selfish use should be promptly punished in the way all politicians, however ignorant or prejudiced, understand—at the polls.

The tariff affects the business of this country vitally. Unfortunately it is a political issue, and the present campaign has given us many bad examples of the dangers of mixing politics with business. Two very pretty instances of the appeal to ignorance and prejudice that will strike close to the chemical industry have recently been given by the Montclair (N. J.) Times of September 30th and the Manchester (N. H.) "Mirror" of October 11th.

The "Manchester Mirror" seemed to believe that the higher cost of certain chemicals would be felt by the public when it went to a drug store to have a prescription filled. This of course is the logical spot to touch when appealing to the individual. Does the "Manchester Mirror" know that the price of aspirin at the druggists remained constant all during the war at 20c for a box containing one dozen tablets, while the price of aspirin (acetylsalicylic acid) in the primary market ranged from 85c to \$2.50 per pound? The "Mirror" discusses camphor in its editorial, and states that the price has jumped 50 per cent since the tariff went into effect. Where did the writer obtain this information? The price of Japanese camphor was 83c per pound before the tariff bill was passed and is 86c per pound now, the advance being due to an acute shortage of spot supplies. American makers have not changed their prices.

The correspondent of the Montclair paper picks out fourteen price advances which DRUG & CHEMICAL MARKETS advised its subscribers had been made the week the new tariff bill was passed, and makes out a splendid case against the new schedules, totally ignorant of how chemical prices are quoted, of what the rates of the tariff are, of conditions in the chemical markets. The majority of these chemicals were in the wood distillate group—wood alcohol, acetate of lime, formaldehyde, etc.—none of which is imported in appreciable quantities and most of which, on the contrary are important exports. Opium, with the same tariff rate in both old and new schedules was another, and so was cocaine hydrochloride, the importation of which is absolutely forbidden under the narcotic regulations, but which naturally advanced on higher opium prices.

Such ignorance is forgivable; but the prejudice

that would make a political case out of the trade question that quicksilver has advanced one dollar to \$68 a flask is wicked or silly. Mercury is always a highly speculative item; but an advance of \$67 in one week would be too much even for the speculators. It is ridiculous on the face of it, yet this letter writer succeeded in conveying that impression.

EXPANDING OUR FOREIGN TRADE

How foreign trade develops when carefully nursed is interestingly illustrated by a recent investigation made by the Spanish Chamber of Commerce in New York regarding the trade between the two countries in olive oil and American goods which are in demand in Spain. Before the recent war the United States took about 800,000 kilos of refined olive oil, these figures representing Spain's exports to us in 1913. In 1919 the amount of oil exported to the United States was 32,000,000 kilos. In the two succeeding years the amount exported was 8,600,000 kilos in 1920, and 4,400,000 in 1921, approximately.

Spain's exports were stimulated during the war because Italy and France were unable to ship. The demand upon Spain became so great that the Spanish Government placed an embargo on exports of olive oil lest the country stocks should become exhausted. It must be remembered that Spain is the largest producer of olive oil in the world. Of the entire world production of 1,100,000 metric tons in 1921, Spain produced 325,000 metric tons of 2,204.6 pounds. Italy's share in the world output was 210,000 tons, and Greece produced less than 160,000 tons. Western Andalusia in Spain is the largest producing district, and Eastern Andalusia is next in importance. The countries absorbing these enormous amounts of olive oil in exchange for manufactured goods and certain raw materials for Spanish industries are the United States, Italy, France, Argentina, Denmark, Portugal, and Great Britain, but the latter took only 1,500,000 kilos in 1921 compared with 4,400,000 kilos taken by the United States.

The trade advantage is with the United States, and we are sending cottonseed oil; copper sulfate for the vineyards; caustic soda for the industries; tin plate for the sardine factories in Northwestern Spain; material for tramways at Coruna and Vigo; automobiles for Barcelona, Madrid, Seville and Bilbao; American corn, flour, and cotton; material for piers and dredging machinery for port improvements under way at Valencia, Alicante, Bilbao, Vigo and Algeciras; and American built port-

able houses which are in demand at Barcelona owing to the housing shortage and high rentals.

Yet olive oil is only one of Spain's desirable exports. British merchants are located in her chief ports and are making strenuous efforts to increase the trade with England by offering a market for oils, nuts, raisins, spices, sardines, crude drugs, quicksilver, and art objects. The American market is preferred for many products, however, and if importers will give the Spanish producers the opportunity to trade on favorable terms the commerce between the two countries can be greatly increased.

The wholesale druggists passed a resolution at the Colorado Springs convention urging the appointment of an Advisory Committee on Alcohol, on the ground that the wholesale druggists are held responsible for the legitimate handling of supplies released by the Prohibition Unit for industrial and medicinal purposes, and they should have a voice in making the regulations, now becoming burdensome and unreasonable. The wholesaler knows the necessities of the trade and the practical methods of supplying the demand, and it is apparent that the Prohibition and Revenue officials know very little of the business end of the problem. An Advisory Committee would be of great help to them in enforcing the law and revision of the regulations would assist the trade in performing its part in supplying legitimate business demands.

Advertising is becoming more and more a medium through which the general public is being educated. A short story or description of the manufacture or preparation of a product never fails to interest a reader and he usually reads and retains the impression made upon his mind. The series of graphic and descriptive stories of chemicals and their uses in the everyday life of the average man in the advertisement of a large chemical company carries a message of instruction. This is in line with our ideas on "letting the public be told." The lack of knowledge of chemicals is appalling, and any medium that serves to enlighten the people truthfully is commendable. In this way the public may learn that chemicals play an important part in economic needs.

The answer of the Chemical Foundation to the Government suit for the return of German patents, seized during the war and sold to the Foundation, makes not only a sweeping denial of the charge of conspiracy but goes into details by reviewing the legal steps which were taken for the transfer of the Government's title in the patents to the incorporated company formed to handle them for the benefit of the American people. The care with which every phase of the situation was explained to the Acting Secretary of State, the President, and members of Congress in a report prepared by the Alien Property Custodian, supports the position of the Foundation, and makes the charge of conspiracy seem entirely irrelevant to the question at issue.

The story of the firm making dress suits of casket cloth, as developed in a court case, last week, is probably the sequel of the one published during the war about the manufacturer who used a black dye for textiles that was designed for caskets. Knowledge of colors "fast" to light might have prevented the exposure.

A San Francisco news note says that an American has just installed the first match making machinery in China. How can we tell whether this is a notice for a matrimonial agency, or a new consuming company in the market for red phosphorus, chlorate of potash, glue and dyestuffs?

Many Men: Many Minds

Hair-raising stories are found on tonic bottles, says an exchange.

It is good law and good common sense that a man has no right, title or interest in a job after he has left it and drawn his wages—Shoe and Leather Reporter.

An American steamship captain was forced to lay in a stock of brandy for steerage passengers, under the British law, before he could obtain his clearance papers at London. Very little actual force was necessary. The British do not appreciate the stand taken by the American Prohibition Commissioner that whiskey is not a cure for either seasickness or snake bite.

No one can be impressed more than myself with the dangers and losses to American trade and commerce from the present instability in Europe, said Secretary Hoover in a speech at Toledo. The diminished purchasing power for our products, the very practical questions of fluctuating exchange in its creation of a speculative element in all international business—all of them affect our own welfare directly. Yet, the retrospect of the last three years is not one of discouragement over Europe's progress. America earnestly wishes to be helpful to Europe but economic matters require a degree of realism that will do justice to the American people as well as be helpful to peoples abroad.

CONFERENCE WILL DISCUSS "WASTE"

The sixth annual New York State Industrial Conference will be called to order Tuesday evening, Nov. 21, at Hotel Lafayette, Buffalo, by State Industrial Commissioner Henry D. Sayer. The speakers will be Governor Nathan L. Miller and W. D. Baldwin, of the Otis Elevator Co. The conference will be formally opened Wednesday morning, Nov. 22. The opening address will be by L. W. Wallace, vice-chairman and engineer in charge of the National Committee on the Elimination of Waste and executive secretary of the Federated American Engineering Societies, on "Wasteful Industrial Habits." M. F. Simmons, of the General Electric Co., Schenectady, N. Y., will speak on "How to Prevent Waste of Materials."

General R. C. Marshall, Jr., General Manager Associated General Contractors of America, Washington, D. C., will open the Wednesday session with an address on "Waste Prevented by Improved Buildings, Equipment and Processes," and W. R. Bassett, president of the Miller, Franklin & Bassett Co., New York, will speak on "Waste Prevented by Accounting Systems."

To Build or Remodel?

An Expert's View as to Whether It Is Cheaper and More Efficient to Build a New Chemical Plant or Remodel an Old One

By JOHN G. AHLERS, Secretary-Treasurer of the Barney-Ahlers Construction Corporation

THE depression through which the chemical industry has passed, a depression that tested the industry to the limit, proved a blessing in disguise in more ways than one. Though it temporarily retarded the industry it resulted in developing resources and afforded the opportunity of a good look at manufacturing processes, plant layouts, possible by-products, new applications of old products and the discovery of new products. So alert has the industry been that it is not unreasonable to believe that within a short time



Brewery Rebuilt into Oil Refinery

chemical plants throughout the country will be running full tilt. The development of new processes and new products has brought to the fore the question of the plant itself and the arrangement of processes, routing of materials, and similar things. It is a most natural thing to say that we will build an extension to our old plant or put a new department here or a new department there. That, in fact, is the way most plants have developed and to a certain extent it accounts for the hodge-podge arrangement of departments, processes and buildings in many plants.

There always comes a time in a business when it is a good thing to take a new, fresh look at things to see whether or not a sufficiently great improvement can be made so as to justify a complete rearrangement, and at times building anew instead of adding, or buying old plants and remodeling. In my engineering and contracting experiences I have almost invariably found that whereas it pays the manufacturer in ordinary industries to extend his plant or remodel it, the contrary is usually true in the chemical industry—that it seldom pays to remodel an old chemical plant for a new manufacturing process. This is due in part to the peculiar character of the chemical industry and partly to the rapid development of the industry which makes old ideas in manufacturing and plant layout liabilities rather than assets. In remodeling an old chemical plant it is frequently necessary to sacrifice efficient arrangement to the building layout or the building strength so as to be safe and not overload the floors, foundation, walls, etc. This is wrong. The small saving that might be effected by sticking to the wrong building layout or the wrong plant arrangement will be quickly wiped

out by the greater expense involved in manufacturing under such unfavorable conditions.

Sometimes there is no saving at all to be effected in remodeling an old plant because of the vast amount of work involved when it is necessary to greatly strengthen foundations, beams, girders and columns, to provide for tanks, large machines, and other equipment. It is frequently impossible in old plants which are mostly of brick and steel to cut the new openings and change the columns and supporting members to permit the use of the latest machinery and the best layout. On the other hand, a new plant can be built to fit the exact needs of the business, to suit the machinery and the best operating layout so that materials will go through the plant in the most efficient way, and sometimes brick, steel and lumber from the old building can be salvaged and used in the new.

In one case, where we were called upon to remodel a plant for a manufacturer of refined oils, we had to reconstruct a five-story brick building with steel frame work and it was necessary to practically take out the entire interior of the building, put in new foundations for columns, new steel construction, new reinforced concrete floors and new monitors. The total cost of this reconstruction would have built an entirely new reinforced concrete building. There are usually difficulties that it is impossible to foresee, but which crop up in the course of the reconstruction work. What to the owners is a substantial building with four walls and windows proves to the engineer or constructor a weak skeleton of a structure with nowhere near the necessary strength to carry the loads and stresses that it will be called upon to carry. It must also be evident that a make-shift building sometimes involves different floor

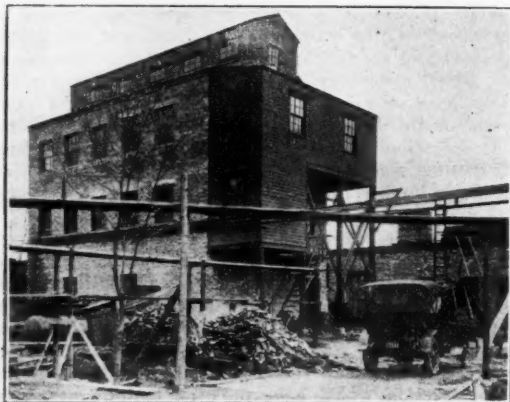


Reconstructed from Building Erected in 1853

levels, peculiar arrangements of wings and perhaps even the wrong number of stories. Engineers and contractors can render a real service to owners who are thinking of remodeling by having the courage to tell them the truth about remodeling.

In another instance during the world war, we were called upon to remodel a group of old buildings some of which dated from 1850, having at that time been used as a starch factory and later remodeled into a lumber mill. We were requested to make a study of fitting these buildings to a manufacturing plant. Our recommendations after a study of the old buildings were against spending the money to put them in proper condition, but the war being on and it being impossible to obtain new material for buildings, priority orders having been issued, the company decided to remodel the old building.

On another operation we found it advisable to recommend the construction of two entire new buildings rather than use old existing structures. Part of the ma-



Material in Old Buildings Used in New Structures

terial of the old buildings was used and an up-to-date manufacturing plant was secured. We often found it advisable to recommend the demolition of old wooden storage sheds and the construction of modern reinforced concrete platforms on which could be built very inexpensive standard steel and corrugated iron sheds. Where parts of such structures had to be heated they could be insulated on the interior at a nominal cost.

In all modern plants I have found it important to call the manufacturer's attention to the large saving that can be accomplished by constructing plain or reinforced concrete roadways, carefully graded to connect the various buildings of the plant. Where large quantities of material are carried from building to building, such roads will pay for themselves in very short time and thereafter be a continued profit. Very little money has to be spent in maintenance. In such plants the trucking and labor handling expense can be reduced to a minimum and general overhead correspondingly decreased.

I earnestly urge chemical manufacturers who have in mind plant extensions or plant remodeling to avail themselves of the close co-operation of progressive engineers and contractors who are in touch with the most efficient and modern ways of meeting such problems not only in the chemical industry but in numerous other industries. The most capable firms are usually glad to make a preliminary study and submit estimates to show what can be done. Very often it is impossible for a manufacturer to get these services from his own contracting department, lacking as it must outside viewpoint and experience.

Trade Notes and Personals

H. A. Stebbins, a manufacturing chemist of Brooklyn, N. Y., recently paid the San Francisco trade a visit.

Joseph Walker McSpadden, formerly of Marden, Orth & Hastings, has published a boy's book, "Stories of Robin Hood."

J. Treadwell Bullwinkel, formerly treasurer of the Peters, White Co., New York, was recently elected president of the Phosphate Mining Co.

The plant of the Vitrefrax Co., Los Angeles, Cal., was completely destroyed by fire on Oct. 15. Reconstruction was begun at once on lines that will increase the capacity of the plant.

In the chemical and oil products industries of New York State during August there was no increase in the number of employees or in earnings. Rates were increased 10 per cent in one plant making linseed oil.

J. V. N. Dorr returned a few weeks ago from a six months' trip to England, France and Germany, where he inspected numerous installations of his machinery in the metallurgical and chemical plants of those countries.

E. G. Bashmore, formerly chief chemist with Babcock & Wilcox, boiler manufacturers at Bayonne, N. J., died at Volk's Hotel, Woodside, L. I., from veronal poisoning, last week. Mr. Bashmore was a member of the Chemists' Club.

At a recent meeting of the American Electrochemical Society, in Montreal, an advisory committee was appointed to consult with the Bureau of Mines on its electrometallurgical research work and to recommend to the bureau lines of research and investigation.

Dr. A. R. L. Dohme, president of Sharp & Dohme, manufacturing chemists of Baltimore, has been made a member of the Baltimore Criminal Justice Commission, a permanent body created to aid the courts and other authorities in the suppression of the crime wave in the city. Dr. Dohme represents the Citywide Club.

The American Road Builders' Association, with headquarters at 37 W. 39th st., New York, is to hold the thirteenth Good Roads Congress in Chicago, Jan. 15 to 19. The meetings will be held at the Congress Hotel and the exhibit of highway machinery and road building materials will be held at Chicago Coliseum.

The Bureau of Foreign and Domestic Commerce has experienced much difficulty in getting the Chemical Division started. No successor to Dr. De Long has been appointed, and the Chemical Division will go along without any chief for the present. C. C. Concannon will be in charge when Mr. De Long relinquishes his work. Mr. Concannon has had practical experience and is well known in the trade.

American industry is spending about \$70,000,000 annually on scientific research, according to the Fabricated Production Department of the Chamber of Commerce of the United States. About one-half of this sum is spent by American manufacturers in the conduct of laboratory research, while the remainder is expended in experimental and development work in plants. As a result approximately one-half billion dollars is being saved annually by industry in this country.

U. S. Essential Oil Output Declines

Value of Production in 1921 Only \$3,271,120 Compared With \$5,698,404 in 1919—New Jersey Leads All States—

Value of Products and Quantities Produced

Establishments engaged primarily in the manufacture of essential oils are located in New Jersey, New York, Connecticut and Pennsylvania, in the Middle West and in California. The numerical division of the 35 producers among the several States is as follows:

Connecticut	.....10
New Jersey	.....4
New York	.....5
Pennsylvania	.....1
Indiana	.....7
Michigan	.....6
Tennessee	.....1
California	.....1

New Jersey which leads in value of output in 1921 produced 38.2 per cent of the total. Detailed statistics for the years 1921 and 1919 are given in the following table:

Products	1921	1919	Per cent of decrease ¹
Total value of products....	\$3,271,120	\$5,698,404	42.6
Oil of:			
Peppermint, ²	Pounds 152,134	236,233	35.6
	Value \$368,353	\$1,276,136	71.1
Spearmint, ⁵	Pounds 99,056	29,985	*230.4
	Value \$356,274	\$145,709	*144.5
Cloves,	Pounds 199,200		
	Value \$335,376		
Nutmeg,	Pounds 19,795		
	Value \$21,939	\$2,950,961	45.0
Sandalwood,	Pounds 23,835		
	Value \$178,968		
Other oils,	Value \$1,085,507		
Witch-hazel extract, ...	Gallons (4)	510,110	
	Value \$448,938		
All other products,	Value \$928,703	\$876,600	30.3

¹ *Denotes increase.

² Crude and refined are combined to avoid disclosure of operations of individual establishments.

³ Value of products less cost of materials.

The statistics for 1921 and 1919 are summarized in the following statement. The figures for 1921 are preliminary and subject to such change and correction as may be necessary from a further examination of the original reports.

	1921 ¹	1919 ¹	Per cent of decrease ²
Number of establishments.....	35	78	...
Persons engaged	391	493	20.7
Proprietors or firm members.....	24	74	...
Salaried employees	73	98	...
Wage earners (average number)...	294	321	8.4
Salaries and wage payments.....	\$513,328	\$620,003	17.2
Salaries	\$145,837	\$228,790	36.3
Wages	\$367,491	\$391,213	6.1
Contract work	\$2,282	\$2,000	*14.1
Cost of materials	\$2,437,876	\$3,903,417	37.5
Value of products	\$3,271,120	\$5,698,404	42.6
Value added by manufacture ³	\$833,244	\$1,794,987	53.6

¹ Figures for 1921 do not include establishments reporting products under \$5,000 in value, thus excluding 33 establishments which employed 16 wage earners and in the aggregate reported products to the value of \$77,911. The figures for 1919, however, include 32 such establishments, which employed 19 wage earners and reported products valued at \$90,544.

² Percentages omitted where base is less than 100. *Denotes increase.

³ Value of products less cost of materials.

Considerable fluctuation is noted in the number of wage earners in 1921. In August, the month of maximum employment, 389 wage earners were reported, and in November, the month of minimum employment, 224; the minimum representing 57.6 per cent of the maximum. The average number employed during the year

was 294 in 1921 as compared with 321 in 1919. A classification of the wage earners with reference to the prevailing hours of labor in establishments in which employed shows that for 119, or 40.5 per cent of the total (average) number, the prevailing hours per week were 48; for 51, or 17.3 per cent, they were between 48 and 60; and for 113, or 38.4 per cent, they were 60 per week.

GRASSE FLOWER CROPS GOOD

The value of essential oils, floral concretes, enfleurage, and allied products, produced at Grasse, France, exceeds \$20,000,000 annually, according to "Commerce Reports," issue of Oct. 23. The crops this year are reported good in most instances. Jasmine has been only partially gathered but if the warm dry weather continues it is expected that the crop will be good as flowers are abundant. It is a little early to make predictions as to the tuberose crop but it looks like an average year. Roses were so abundant that prices were lowered considerably and large stocks of the oil are on hand. The jonquil crop was poor this year and stocks of its products are limited. Orange flowers were more plentiful than was expected and the growers reduced their figures to 4.5 francs per kilo. Comparative prices for 1920, 1921, 1922 and before the war follow:

Varieties	Before the war Francs	1920 Francs	1921 Francs	1922 Francs
Jasmine	2.00-3.50	26.00	7.50	6.00
Tuberose	3.15	36.25	12.60	7.00
Parma violets	4.50	36.00	20.00	.....
Victoria violets .....	.....	25.00	10.00	28.00
Violet leaves .....	.....	50	20	25
Roses	50-75	8.40	4.30	1.00
Orange flower	50-75	10.20	13.00	4.50-5.75
Cassia .....	.....	20.00	17.50	17.00
Jonquil	2.00	.....	12.00	12.40

A number of uses has been discovered for the compound cyclohexanol ($C_6H_{11}OH$), which has been, until now, in comparative obscurity. It is possessed of a faint and pleasant odor which has no effect on the aroma of essential oils and can be used in extracting them from their plants or flowers. Perfumes can be diluted, without harming their quality, and when a small amount of the articles is used in soap the solvent powers are increased greatly.

It is rumored in the trade that not a few foreign aromatic chemical producers are considering sites in this country on which to establish factories. American trade in the articles, importation of which is made impossible by the tariff, probably is large enough to pay foreign concerns to manufacture here and avoid the duty.

Chaulmoogra oil is now being used in the treatment of tuberculous laryngitis. While the oil does not effect a cure rapidly it helps substantially in healing diseased lesions on the throat's sound producing organs. The principal use for the oil at present is in the treatment of leprosy.

URUGUAY TO PUT MEDICINAL IMPORTS UNDER MUCH STRICTER REGULATIONS

**Sale of Preparations Not Conforming to Proposed Law
Will Be Prohibited—Advertising To Be Censored—
Certificate of Standing of Manufacturer Required**

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Nov. 1.—A bill is now pending in the Uruguayan Congress to control advertisements of medicines, and it is probable that it will soon be passed, according to advices received by the Department of Commerce from the American Consul at Montevideo. The consul in his report to the Department says in part:

"The Medical Association of Uruguay (Sindicato Medico del Uruguay) has just presented the following conclusions on the project, which will no doubt be incorporated in the law.

"1 A revision of all the permits authorized to date by the National Board of Health (Concejo Nacional de Higiene).

"2 Chemical analysis in all cases, and whenever the National Board of Health considers it necessary, clinical experiments for every new permit.

"3 Specifications in all labels of the chemical composition of the medicine or the biological nature of its components.

"4 Prohibition of sale, importation and propaganda of every medicine or specialty which has not complied with the foregoing conditions.

"5 Prohibition of putting (establecer) in notices, prospectus or labels the therapeutic indications of the product.

"6 Refusal of sale permit for every product which contains substances inadequate as an active therapeutic and the prohibition of advertisements destined to attribute to it curative properties.

"7 The periodic revision of all permits for importation, sale and advertisement.

"8 Frequent inspection of the national laboratories and factories of medical products. Official certificate, issued by competent foreign authority, vised by national consular or diplomatic agents, of the importance, seriousness and organization of the foreign factories which propose to introduce their products into the country.

"9 Every medicine will be considered as fraudulent which does not bear the place of its true origin.

"10 We consider it necessary that there pass through the National Board of Health for its previous control every advertisement, publication or notice which has relation to consulting rooms, laboratories, institutes, sanatoriums, hospitals for convalescents or sick people, medicine and treatment; in a word, everything which has reference to clinical or therapeutical diagnosis."

J. A. Van Brunt & Co., New York chemical house, received an adverse decision in its case against the Guaranty Trust Co. for the recovery of a loss sustained when the defendant failed to promptly collect a draft for money due the firm from a South American customer. Justice Tierney, of the Supreme Court, ruled that since the goods were billed to Martin Bros., instead of the firm name of Martin & Martin, an error committed by the plaintiff, that the banking house could not be held responsible for not collecting the money at once. The loss was caused by the liquidation of the debtor before the account was closed.

Christian B. Zabriske, president of the Pacific Coast Borax Co., whose home is in New York, is visiting the headquarters at San Francisco.

PRICE FLUCTUATIONS IN 30 YEARS

A bulletin of wholesale prices covering the period 1890 to 1920, issued by the U. S. Bureau of Labor Statistics, says that in the group of chemicals and drugs prices did not reach their maximum until September, 1920, when they were 122 per cent above the pre-war level of 1913. The miscellaneous group, including cottonseed meal and oil, millfeed, lubricating oils, etc., showed a gradual price increase to June, 1920, with a height of 147 per cent above 1913. Chemicals and drugs decreased 15 per cent from September to December, whereas they had increased 17 per cent in 1920, compared to 1919. Fourteen of the eighteen drugs and chemicals covered showed such increase, and only four showed a decrease.

Adopting an estimated value of 100 in 1913 as the base, the labor bulletin says that the index number for chemicals and drugs increased from 90 in 1890 to 221 in 1918, dropped to 179 in 1919 and rose again to 210 in 1920. The drug and chemical price curve showed a slight variation up to 1914, says the bulletin, but clearly exhibits the early influences of war on the prices of these commodities. In 1915 prices in this group had increased 14 per cent over the average for 1913, while in no other group had the increase been more than 5 per cent. From 1915 to 1918 prices continued to advance sharply, but with the termination of hostilities in the latter year a decline took place, followed by a reaction in 1920.

While the general level of wholesale prices of all commodities for September was 1½ per cent lower than that of August, according to the Department of Labor, chemicals and drugs showed an increase of 1½ per cent in average price in that period, while metals and metal products showed an increase of 6¼ per cent.

TRANSATLANTIC PLANT TO BE SOLD

Judge Charles F. Lynch, of the U. S. District Court of Northern New Jersey, entered an order last week directing the receivers of the Transatlantic Chemical Corp. of Linden, N. J., to dispose of the plant and equipment of the company at public auction on Friday, Nov. 24. Edmund B. Clary and Clark McK. Whittemore were appointed receivers in equity on Sept. 10, 1921, and were authorized to complete the installation of certain machinery and operate the plant, which had been shut down for some months owing to an explosion.

The receivers were able to operate the plant profitably for a short period, but conditions in the trade rapidly grew worse, and in June the receivers were compelled to cease operations.

The company was organized in 1916 and for a time was very successful. The products consisted of ortho nitro toluol, para nitro toluol, ortho toluidine, para toluidine and mixed toluidine, which were used principally by dyestuff companies as raw materials in making the better grade of dyes. The receivers state that the condition in the dyestuff industry is such that the plant cannot be run economically to make these products solely, and that they must be made in conjunction with other products or the plant diverted to other uses.

Chemical engineers have advised the receivers that part of the equipment could be used for the manufacture of vegetable oils, textile oils, essential oils, disinfectants, soap, paints or varnishes and miscellaneous coal-tar, pharmaceutical and proprietary preparations.

The property comprises two acres of ground and is improved with four isolated brick buildings.

Chemical Foundation Denies Conspiracy

Answer Filed to Government Suit To Recover German Patents, Seized During the War, Points Out That Every Detail Was Disclosed and Explained to President Wilson—Report of Alien Property Custodian on Chemical Foundation's Plans Sent to Congress—No Profit for Individuals—Licenses Issued to All American Citizens, Qualified To Make Use of Patents, at Equal Rates, Similar Terms, and Without Discrimination—Necessity for Seizing German Property—Dismissal of Suit Requested

The Chemical Foundation filed its answer to the suit of the Government in Wilmington, Del., on Oct. 27. The answer is a comprehensive and emphatic denial of the Government's charges. It denies that the Chemical Foundation participated in any conspiracy or monopoly or suppressed any information from the President or his representative, Assistant Secretary of State Frank L. Polk, or paid an inadequate consideration for the patents, or did any act in bad faith or unlawfully. The answer points out that before any patents were sold to the Chemical Foundation every material fact bearing upon the creation of the Chemical Foundation, its objects, its work and its doings was discussed in the official report made to the President by A. Mitchell Palmer as Alien Property Custodian on Feb. 22, 1919, and transmitted by the President to Congress. An extract from this report is annexed to the answer as an exhibit. From this report it appears that the whole plan concerning the Chemical Foundation and its taking over of the German patents was disclosed in detail. It is claimed in the answer, in addition, that not only were the President and Polk and Congress and the country generally advised of the plans which gave rise to the Chemical Foundation and the taking over by it of the German patents, but that Palmer as Alien Property Custodian also explained the situation personally to the President and to his representative Frank L. Polk, and that after this report and explanation, they made the orders authorizing and approving the sales, which the present administration now challenges and seeks to nullify.

The answer points out that the taking over of the German patents was necessary to the proper prosecution of the war against Germany, for the common defense in case of renewal of hostilities or future war, and for the emancipation of the American chemical industry from German control and domination. The answer narrates in detail how Germany had succeeded by means of patents and otherwise in obtaining complete control over the organic chemical industry of the United States. That meant that before the recent war Germany not only controlled the supply of dyes in the United States, but also the materials out of which poison gas, high explosives and important medicines, were entirely in the hands of the Germans. The answer insists that in that situation the ability of the United States to manufacture high explosives and to defend itself according to the means and methods of modern warfare, were at the mercy of Germany; that the ability of the United States to supply its citizens with important medicines was likewise at the mercy of Germany, and that many of its most important businesses were equally at the mercy of Germany. The report to the Alien Property Custodian, which was given to the President and which is annexed to the answer, shows how it was necessary to break this control of

Germany over the chemical industry of the United States, if the United States was to have the power adequately to defend itself and protect its citizens.

The President approved the policy of Americanizing the basic industries of the United States in order to overcome the German domination of those industries, the answer points out. To that end the Chemical Foundation was formed, after conference with the President and his representative Frank L. Polk, and with their approval, and after similar conference and approval the patents in suit were transferred to the Chemical Foundation in order that it might hold and administer them in the interest of America and secure to the United States the permanent freedom of the organic chemical industry from German or other hostile foreign domination. The answer says that on the President's return to this country, the orders made by Polk were brought to his attention and that the matter was again considered by him and that he thereupon made an order duly ratifying in all respects what had been done by Polk and the Alien Property Custodian.

The answer shows that the Chemical Foundation is not a private venture; that it has made and can make no profits for private persons; and that, on the contrary, it has expended thousands of dollars of its own capital. Under its charter and under its agreement with the Alien Property Custodian, the Chemical Foundation is required to and has and does license all American citizens who are qualified without discrimination and at equal rates and upon like terms.

The Chemical Foundation is also the means which was adopted to enable the United States to avoid having to pay heavy damages for patent infringements to Germans who had taken out patents of the United States, not in order to help American science and industry, but to throttle it. That was accomplished by having the patents sold to the Foundation and a release and license given by the Foundation to the Government. The answer concludes by praying that the Government's complaint be dismissed.

CHEMICAL LECTURES FOR SALESMEN

Dr. F. E. Breithut and associates of the College of the City of New York have prepared a syllabus of the course of ten lecture-discussions on "Chemistry for Chemical Salesmen," to be given under the auspices of the College of the City of New York and the Salesmen's Association of the American Chemical Industry. The lecture-discussions will take place on Friday evenings at eight o'clock. The subjects and dates follow:

How a Chemist Works, Jan. 5.

Gases, Jan. 12.

Liquids, Jan. 19.

Solids, Jan. 26.

Solutions, Feb. 2.

Acids and Alkalies, Feb. 9.

Metals and Their Salts, Feb. 16.

Carbon and Its Compounds, Feb. 23.

The Language of Chemistry, March 2.

Economic Chemistry, March 9.

The fee for the course is \$10 and the class is to be limited to fifty in number.

T. J. Lynch, of the Lederle Antitoxin Laboratories, New York, is visiting the Pacific Coast.

EXPORTERS TOLD TARIFF PROBLEMS ARE TOO TECHNICAL FOR CONGRESS

Ogden L. Mills Says the Legislative Body Should Determine the Policy Only, and Leave Rate Making to Experts—Senator Calder Says Tariff Will Be Taken Out of Politics in a Few Years

The American Manufacturers' Export Association devoted a day to discussion of the tariff at the convention at the Waldorf-Astoria. Attention was called to the flexible or elastic provisions in the new tariff bill by W. W. Nichols, of the Allis-Chalmers Manufacturing Co., who presided as chairman of the meeting. Other speakers were Senator William M. Calder, Congressman Ogden L. Mills, Vice-Chairman W. S. Culbertson of the Tariff Commission, and Andrew C. Pearson, treasurer of the United Publishers' Corporation.

Mr. Culbertson went into some detail to explain the reorganization of the Tariff Commission and the method of procedure in making investigations.

Congressman Mills asserted that the taking of the tariff out of politics would be a boon to individual members of the House. "In view of the difficulty of finding out all the facts in connection with all the commodities covered in a tariff bill," he said, "the Congressman finally becomes a partisan representative of his own home industries, which does not give a scientific tariff, but merely a compromise on rates. The legislative body should determine the general policy and leave the rate making to experts."

Senator Calder supported Mr. Mills in his views on the tariff and said that within a few years the tariff will be taken out of politics completely. He also intimated that a change in our internal revenue laws will be tackled at the next meeting of Congress. "Personally," he added, "I believe that incomes of \$10,000 and under should be exempt from tax, that the maximum tax should not be above 35 per cent, and that the income tax should be supplemented by a small sales tax—say, one-half of 1 per cent."

Mr. Pearson made a plea for the co-operation of business men with the Tariff Commission in the new work thrust upon it.

After the close of the session the association's resolutions committee drafted resolutions recommended to the board of directors as the sense of the convention. These resolutions approved President Harding's policy on the merchant marine and pledged action along the lines advocated by the President, extended appreciation to the Bureau of Foreign and Domestic Commerce, and recommended that the Chamber of Commerce of the United States call an international conference of business men to determine upon a policy with regard to the international war debts.

The American Metals Co. has declared quarterly dividends of 75c a share on the common and of \$1.75 a share on the preferred. Both dividends are payable Dec. 1, the common to holders of record Nov. 20 and the preferred to holders of record Nov. 18.

Although there is a good demand for phosphates, scarcity of cars prevents the shipment from Mt. Pleasant, Tenn., of any large amounts. Two plants, Hoover & Mason and Federal Chemical Co., are closed down. Between 400 and 500 carlots are being shipped monthly.

Dr. Charles H. Herty, president of the Synthetic Organic Chemical Manufacturers' Association, returned last week from a hunting trip in Northern Michigan.

Edward von Berlo, sales manager of Wilckes-Martin-Wilckes Co., New York, returned from Europe, last week.

Business Brevities

The Durex Chemical Corp. has obtained a judgment for \$1,780.63 against Harry McLoughlin.

The Pharmaceutical Supply Co., Inc., has obtained a judgment for \$148.22 against Bernard Alexrod.

The city of New York has obtained a judgment for \$134.63 against the British-American Trading Corp.

Herr Hummel, State President of the Republic of Baden, has resigned to enter the management of the Badisch Anilin und Sodafabrik of Ludwigshafen.

The listing of 15,000 additional shares of common stock, no par value, of the Air Reduction Co., has been approved by the Board of Governors of the New York Stock Exchange.

J. S. Brodhead, export manager of Colgate & Co., New York, was a business visitor at San Francisco in October, inspecting the branch maintained there from which the Pacific Coast trade is served.

John B. Brunner has sold the business owned by him at Fourth and Kentucky streets, San Francisco, and operated under the name of the Peroxide Manufacturing Company, to William F. Herb, the transfer taking place Oct. 20.

The report of the Corn Products Refining Co. for the nine months ended Sept. 30, shows a balance of \$6,552,395 available for the capital stock, which, after allowing for preferred dividends, was equal to \$10.54 a share earned on the \$49,784,000 common stock outstanding. In the same period last year the company reported \$7.54 a share earned on the common stock.

C. P. Van Schaack, member of the Chicago Drug and Chemical Association, has suggested a method for increasing the membership of the Association which has brought good results. Mr. Van Schaack sends to the chairman of the Membership Committee the names of firms who are doing business with the drug trade, and who are therefore eligible for membership in the club. This has given a mailing list, which secured eighteen new members in a week. Frank A. Blair 440 South Dearborn street, Chicago, is chairman of the committee.

GAS CONSUMPTION GREATER IN 1921

Sales of manufactured gas in 1921 set a new high record, a total of 326,000,000,000 cubic feet being consumed, according to the annual survey of the gas industry of the United States just completed by the American Gas Association. This is an increase of 7,000,000,000 cubic feet over 1920 and 20,000,000,000 cubic feet over 1919. An analysis of the gas consumption statistics discloses that the per capita increase for the ten year period, 1901 to 1911 was 30 per cent while for the period from 1911 to 1921 it was 80 per cent showing that the American people during the last ten years consumed nearly three times as much gas per capita as they did during the preceding decade.

Increased use of gas for industrial purposes and for domestic purposes other than illumination in homes is responsible for the rapid growth of the industry. The survey shows that 21.62 per cent of the gas used in the country last year was for industrial purposes, about 1,200 different uses being recorded.

Business Good, But Car Shortage is Acute

Inquiries by the Merchants Association of New York concerning business conditions were answered by members in the chemical and drug trade as follows:

"A. C. Stallman, of Arthur Stallman and Co., importers of drugs and chemicals: "As to the prospects of business in the immediate future, I can only say, from personal experience the prospects are very good. I personally am kept busy from the time I get here in the morning until I leave in the evening. I converse with at least forty people daily, perhaps more right in this office, and the consensus of opinion is that prospects for business look very good at the present time."

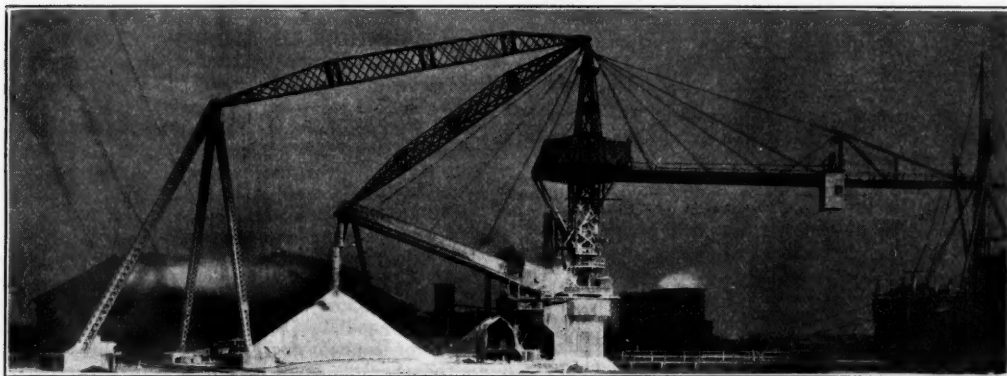
G. A. Clarke, eastern manager of the United Chemical and Organic Products Co.: "I am very optimistic of a decided return to normal conditions in the immediate near future. As most of the serious labor troubles have now been adjusted, resulting in many cases in an increase in wages, this should again enable the buying power of the public to start reaching a somewhat near normal basis."

Philip Valk, exporter and importer: "Business is

undoubtedly on the upgrade. It does not move up as fast as some of us would like to see it, still the improvement is a healthy one and much preferable to a boom which suddenly springs, and next, according to the laws of nature, comes down with a crash. Let us make true comparisons. Our country is in so much better shape than any I have visited as to make one feel very happy to be an American. Our business is not bad, conditions are improving steadily and the future looks bright. Prosperity is in sight and good times are bound to come."

The Federal Reserve Board has the following to say in its summary of general business and financial conditions throughout the various reserve districts during the month of October: "Difficulties in handling the increased freight traffic, due to car shortage, have become an important factor in the current industrial situation. The total number of cars loaded increased during September chiefly because of heavy loadings of coal and live stock, and during the last week of the month the car loadings were greater than for any week since October, 1920."

Handling Chemicals by the Boat Load



OCEAN-GOING vessels bringing sulfur for the manufacture of sulfuric acid; bauxite used in making sulfate of aluminum; nitrate of soda for making nitric acid; and salt needed in producing muriatic acid and salt cake, arriving in Boston harbor, with cargoes consigned to the Merrimac Chemical Co., no longer unload at the piers on the Boston waterfront, but are conveyed by tugs up the Mystic River to a dredged basin and dock where the company has solved the question of handling chemicals by the boat load by erecting an unloading tower of huge proportions, electrically operated. The tower, which is located at the company's plant at Everett, has been in successful operation since October, 1921, and has assisted materially in reducing the cost of handling incoming raw materials.

The basin where vessels dock has a uniform depth of twenty feet below mean low water, while the channel up the river has been dredged to sixteen feet below mean low water, so that vessels up to 375 feet in

length and twenty-three feet draft can safely be accommodated.

The vessels are unloaded by means of an electrically operated two-cubic-yard grab-bucket carried by the main boom which swings out over the hatches. This boom is suspended from a revolving mast pivoted on a concrete foundation and supported at its upper end by two stiff legs. The mast carries the motor house in which are located the motors and control apparatus for hoisting the bucket and trolleying it in to the receiving hopper just beneath. From the hopper the material falls by gravity to a belt conveyor for distribution to storage pile, cars or trucks as desired.

The principal material handled is sulfur, which is stored directly at the base of the tower. From the storage pile it is distributed, mostly by motor truck, to the various burner buildings of the Everett plant and also to the company's plant at Woburn, Mass., for the manufacture of sulfuric acid.

HOW TO APPLY FOR TARIFF CHANGES AND CHARACTER OF EVIDENCE REQUIRED

Commission Will Then Decide Whether Reasons Given Are Sufficient to Warrant an Investigation—Testimony Must Be Verified from Books and Records of Applicants

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Nov. 1.—William S. Culbertson, vice chairman of the Tariff Commission, has issued a statement in which he tells of the reorganization of the commission under the new tariff law as well as the new rules of procedure which have been worked out.

In this connection he says:

"The law provides that all investigations under Section 315 are to be made by the Tariff Commission, and that the President shall issue no proclamation changing rates or classification until after the Tariff Commission shall have investigated. The Commission has, as a result of these new responsibilities, completely reshaped its organization. Under the Commission there are now four broad divisions:

"The secretary handles the routine business of the Commission. To the legal division are referred questions of customs laws and procedure and any other legal question that may arise in the Commission's work. General investigations which the Commission may conduct under its general investigational powers will be supervised by the chief economist, and special investigations made necessary by the new powers vested in the President will be under the direction of the chief investigator.

"The Commission's organization under the direction of the chief economist and the chief investigator consists of a series of divisions each with a chief and other experts. These divisions are: chemicals, pottery and glass, metals, wood and paper, sugar, agriculture, textiles, leather, sundries, preferential tariffs and commercial treaties, and accounting. In addition, the Commission has provided for the establishment of a New York office and for the conduct of investigations in foreign countries.

"The work of the Commission's staff is co-ordinated with an Advisory Board which reports only to the Commission and is under its immediate direction. The chief investigator is chairman of this board. Its other members are the chief economist, a representative of the legal division, and the chief of the division of the Commission concerned in the subject matter under consideration at any given time; e.g., chemicals or textiles.

"Anyone can apply for an investigation. The application need not be in any special form, but it must be in writing and signed by or on behalf of the applicant. It must also recite the relief sought and the reasons therefor. Obviously, the mere filing of an application does not obligate us to proceed formally. We shall not order an investigation unless the application or a preliminary investigation discloses to our satisfaction that there are good and sufficient reasons for doing so under the law.

"We can order a formal investigation upon our own initiative as well as upon application and we are not confined to the issues presented in an application; we may broaden, narrow or modify the issues to be determined.

"When we finally decide to proceed formally with an investigation, we shall issue and publish a notice of its nature and scope. Any person who then can show to our satisfaction an interest in the subject matter

of the investigation may enter his appearance in person or by a representative. He will be notified of public hearings and afforded opportunity to offer such testimony as we may deem necessary for a full presentation of the facts. Our hearings will usually be open to the public. Evidence submitted will be subject to verification from the books and records of the parties in interest. In conjunction with hearings we shall conduct field investigations both in the United States and in foreign countries."

HERCULES POWDER PAYS 100% IN STOCK

Directors of the Hercules Powder Co. have declared a stock dividend of 100 per cent on the common capital stock of the company to stockholders of record Nov. 15. The dividend is to be in common stock of the company at par, delivered on Nov. 25.

The report of the company for the nine months ended Sept. 30, showed net earnings of \$1,522,044 after depreciation, interest and taxes, equivalent after preferred dividends to \$14.43 a share earned on the \$7,150,000 common stock. This compares with a net of \$427,687, or 23 cents a share, in the corresponding period of 1921.

At a special meeting of the stockholders of the Hercules Powder Co., at Wilmington, Del., Oct. 24, the proposition to increase the authorized preferred stock from \$10,000,000 to \$20,000,000 and the authorized common stock from \$10,000,000 to \$20,000,000 was approved. Ninety per cent of the stockholders voted in favor of the plan. The immediate purpose of the additional preferred stock is to retire the outstanding Aetna Explosives bonds.

EARNINGS OF AIR REDUCTION CO.

The income account of Air Reduction Company for the eight months ended Aug. 31, 1922, showed net profit of \$514,368, after charges and depreciation but before Federal taxes; gross income of \$4,244,441; operating expenses, \$2,976,112; operating income, \$1,268,329; reserve for depreciation and amortization, \$651,254; interest, \$96,922; other charges, \$5,785, and net income of \$514,368. Surplus after dividends of \$306,224 amounted to \$208,144. Profit and loss surplus was \$947,553.

For the quarter ended Sept. 30, the company reports net profits of \$181,312 after allowing for interest charges and depreciation but before Federal taxes. This was equal to \$1.18 a share earned on the 153,121 shares of capital stock of no par value outstanding. In the previous quarter the company reported profits equal to \$1.51 a share. In the corresponding period last year the profits equaled \$1.04 a share.

AMMONIA CO. IN BANKRUPTCY

The Committee of Creditors of the American Ammonia Co., Boston, announces that a petition in bankruptcy has been filed in the U. S. District Court for the purpose of reorganizing the company. Creditors are requested to co-operate by sending notice of their claims to one of the following named members of the committee: T. M. Ragan, American Credit Indemnity Co.; K. Knoring, New England Bottling Company; J. N. Cook, Champlain & Hobbs Box Co., Medford, Mass.

Marx & Rawolle have obtained a judgment of \$16,639.06 against Charles Dick, Akron, Ohio. The amount was owed the New York concern by the Lyrphone Co. of America, Newark, which recently went into hands of receivers. Mr. Dick had guaranteed the account of the bankrupt company with Marx & Rawolle.

QUOTATIONS ON CHEMICAL STOCKS

	Bid	Asked		Bid	Asked
Air Reduction	60 1/2	61	Heyden Chem.	27 1/2	28
*Allied Chem. & D.	80 1/2	81	Hooker Electro.	55	55
*Allied Ch. & D., pf.113	115	115	Hooker Electro. pf.	60	70
Am. Ag. Ch.	31	32 1/2	*Int. Agricult.	8	10
*Am. Ag. Ch., pf.	62 1/2	63 1/2	*Int. Agricult., pf.	34	36
*Am. Chicle	7 1/2	8	*Int. Nickel	15 1/2	15 1/2
*Am. Chicle, pf.	20	20	*Int. Nickel, pf.	75	85
*Am. Cot. Oil.	24 1/2	24 1/2	*Int. Salt	85	110
*Am. Cot. Oil, pf.	51	55	*Mathieson Alk.	50	50 1/2
*Am. Cyan.	15	20	Merck & Co., pf.	74 1/2	77
*Am. Cyan., pf.	53	56	Merrimac	83	88
*Am. Druggist S.	6	6 1/2	Mulford Co.	35	40
Am. Glue	40	45	Mutual Co.	150	150
Am. Glue, pf.	65	70	*National Lead	107 1/2	109
*Am. Linseed	36	36 1/2	*National Lead, pf.112	114	114
*Am. Linseed, pf.	57 1/2	59	N. J. Zinc.	165	169
*Am. Malt	12	13	Niag. A., pf.	86	100
*Am. Zinc	17 1/2	18 1/2	Parke, Davis & Co.103	87	104
*Amet. Zinc, pf.	54	54	Pem. Salt	81 1/2	82 1/2
Atlas Powder	152	160	People's Gas. Chi.	94	96
Atlas Powd., pf.	90	94	Procter & Gamble.124	128	128
British Am. Chem.	1	1	Procter & Gam., pf.102	106	106
By. Prod. Co.	57	65	Rollin Ch.	50	60
Carborundum	135	135 1/2	Rol. Ch., pf.	80	90
Carborundum, pf.	115 1/2	116	Royal Bak. Co.	117	125
Casein Co.	30	45	Royal Bak. Co., pf.	97	99
Celluloid Co.	92	98	Sherwin-Williams	29	29 1/2
Celluloid Co., pf.	106	106 1/2	Sherwin-W., pf.	93	97
Ches. Mfg.	215	230	Stand. Ch.	90	100
Ches. Mfg., pf.	110	115	Swan & Finch.	30	32
Com'l Solv. A.	49	49 1/2	*Tenn. C. & Chem.	9	9 1/2
Do B.	44	45	*Tex. Gulf. Sul.	61	61 1/2
*Corn Products	127 1/2	127 1/2	Union Carbide	63 1/2	63 1/2
*Corn Products, pf.120	121 1/2	121 1/2	Union Sulphur	78	81
*Davison Chem.	34 1/2	34 1/2	*Un. Drug, 1st pf.	48	49
Dow Chem.	200	200	*Un. Dyewood	42	42
Dow Ch., pf.	103	103	*Un. Dyewood, pf.	94 1/2	94 1/2
*Du Pont de Nem.	152	155	Un. Gas, Imp.	51	51 1/2
*Du Pt de Nem.Db.	83 1/2	87	Un. Gas, Imp., pf.	53 1/2	56
Eastman Kodak	85	85 1/2	U. S. Gypsum.	67	67 1/2
Eastman Kodak, pf.108	108	108	*U. S. Indus. Al.	65	65 1/2
*Freeport, Tex. Sul.	23 1/2	23 1/2	*U. S. Indus. Al., pf.	99 1/2	101
Freeport, Tex. Sul., pf.	91	93	*Va.-Car. Ch.	26	27
*Grasselli	128	132	*Va.-Car. Ch., pf.	67	67 1/2
*Grasselli, pf.	100	101 1/2	*V. Vivaudou	123 1/2	124
Hercules Powder	200	205			
Hercules Powd., pf.103	105	105			

*Listed on New York Stock Exchange

DIAMOND MATCH INCREASES CAPITAL

Stockholders of the Diamond Match Co., at a special meeting held in Chicago, Oct. 26, voted to increase the authorized capital stock from \$18,000,000 to \$25,000,000. The present amount issued and outstanding is \$16,965,100, so that the increase voted makes available a total of \$8,034,900 for issue at such times and in such amounts as the directors may deem advisable.

W. A. Fairburn, president of the company, has already stated that the company may on Nov. 1, 1923, have cash available for the retirement of a part of the company's outstanding debentures, and with the increase of the capital stock now authorized, the company will be in a position to retire the balance of the debentures by the issuance of the necessary amount of capital stock.

"The company will, also, in such case, be able to issue additional stock from time to time as the operations of the company may require and as may be advantageous to stockholders," President Fairburn said.

A petition in bankruptcy was filed Oct. 26 against the Haines Shellac Works, Inc., of 2534 East 177th street, by these creditors: Toby Katz, \$306; Abraham Marks, \$265; Gutenberg Printing Co., Inc., \$88. Judge Learned Hand appointed Bertha Rembaugh receiver under \$2,000 bond. It is stated the liabilities are about \$22,000 and assets about \$4,000.

The Texas Gulf Sulphur Co. reports net earnings for the third quarter of \$1,075,468, compared with \$871,773 in the second quarter. Earnings for the first nine months of the year total \$2,752,336 and more than cover the \$4.00 annual dividend on the 635,000 shares of stock. Total surplus, including reserve for depletion on September 30, was \$6,456,670.

SMELTING COMPANY SELLS BONDS

Kuhn, Loeb & Co. have purchased \$7,500,000 American Smelting & Refining Co. first mortgage 5 per cent gold bonds series "A" due April 1, 1947. The purpose of this issue is to reimburse the company for expenditures heretofore made for additions, betterments and improvements to the property pledged under the first mortgage. The first mortgage bonds series "A" are a direct obligation of the American Smelting & Refining Co. and constitute its sole funded debt. They are redeemable in whole or in part at 100 per cent and accrued interest on 30 days' notice on any interest date on and after Oct. 1, 1930.

The earnings of the company and its subsidiaries for the years 1912 to 1921, inclusive, applicable to interest on the company's bonds, and after setting up all reserves and deductions, have averaged \$11,050,194 per annum. Even in the year 1921, which was a particularly unfavorable one in the entire industry, net earnings applicable to bond interest were \$3,264,341, while the interest on the outstanding first mortgage bonds, including the \$7,500,000 to be presently issued, amounts to only \$2,123,885 per annum. The net earnings for the year 1922 will be materially better and for the first eight months amount to \$1,141,900.

It is understood that the bonds are to be offered for subscription at 94 per cent and accrued interest to date of delivery, at which price the bonds will yield about 5.45 per cent on the investment if held to maturity.

MINER-EDGAR BOND OFFERING

In a statement offering the first mortgage 20-year 7 per cent sinking fund convertible gold bonds of the Miner-Edgar Co., Ralph W. Voorhees & Co., say: "The company is the largest distributor of American paper clay to the book, news and wall paper trades in the United States. It is the largest distributor of denatured alcohol in the New York territory and is a leading manufacturer of acetates, formaldehyde and other basic chemicals.

The total earnings applicable to bond interest of all the companies now consolidated aggregated \$1,587,892 during the last seven years. As the average life of all companies during this period was four years, the actual average earnings were at the rate of \$396,973 per annum, or nearly four times the annual interest requirements of this issue. For the first 9 months of 1922 earnings applicable to bond interest were \$306,614 or at an annual rate of nearly four times interest requirements.

Notice is given by the Armstrong Cork Co. that pursuant to the provisions of the trust indenture made Jan. 1, 1921, by that company to the Bankers' Trust Co. as trustees, securing \$6,000,000 of its ten-year 7 per cent gold notes, the company has elected to redeem all of the notes by paying on Jan. 1, 1923, the unpaid accrued interest and the principal together with a premium of 2 1/2 per cent of such principal. Payment is to be made at the office of the Bankers' Trust Co.

New Incorporations

Harlem Chemical Corp., Wilmington, \$500,000. Corporation Registry Co.

New Era Chemical Mfg. Co., Baltimore, Md., \$100,000.

Lavex Chemical Co., Kansas City, Mo., \$50,000.

Remington Chemical Corp., New York, \$10,000. F. W. Bein, F. Mendlesohn. L. Arnoff; attorney, J. H. Ide, 1400 Broadway.

Puritan Laboratory, Inc., 128 Market st., Newark, N. J., \$125,000. To conduct wholesale drug business. Corporation Trust Co., 37 Wall st., New York.

West Coast Wholesale Drug Co., Seattle, Wash., \$100,000.

The Heavy Chemical Market

Current Spot Quotations of Heavy Chemicals, See Chemicals, page 1138

CAUSTIC SODA EXPORT PRICES HIGHER

Sulfate of Alumina Scarce Owing To Delay in Shipments of Bauxite—Heavy Acids in Better Demand—Copperas Very Scarce—Arsenic Situation Still Tight

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Caustic Soda, f.a.s., 5c 100 lbs.	
Declined	
Barium Chloride, \$5.00 ton	
Potassium Prussiate, yel., $\frac{1}{8}$ c lb.	
Sodium Prussiate, Yel., $\frac{1}{8}$ c lb.	

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetic Acid, Glacial....lb.	\$11 $\frac{1}{2}$	\$11	\$10 $\frac{1}{2}$	\$10	\$19 $\frac{1}{2}$	\$107
Sulfuric Acid, 66 deg. ton	14.00	14.00	14.00	17.00	55.00	20.00
Bleaching Powder, Works.....100 lbs.	2.00	2.00	2.00	2.25	9.50	1.50
Copper Sulfate ....100 lbs.	5.90	5.90	5.90	5.00	20.00	4.50
Potash, Caustic .....lb.	.06 $\frac{1}{2}$	.06 $\frac{1}{2}$	.06 $\frac{1}{2}$	.06	.87	.08
Saltpetre, gran. ....lb.	.07 $\frac{1}{2}$	.07 $\frac{1}{2}$	.06 $\frac{1}{2}$	.07 $\frac{1}{2}$	.35 $\frac{1}{2}$	.04 $\frac{1}{2}$
Soda Ash, 58 p.c.....100 lbs.	1.80	1.80	1.80	2.16	3.50	.60
Caustic Soda, 76 p.c.100 lbs.	3.55	3.50	3.50	4.00	9.50	1.42
Potassium Bichromate ..lb.	.10	.10	.10 $\frac{1}{2}$	.11	.65	.05 $\frac{1}{2}$
Average	3.067	3.048	3.042	3.428	11.06	3.14

Demand for heavy chemicals continues along steady lines though the market has been less active during the week. Supplies seem to be more plentiful in many items and the tight situation of a few weeks ago appears to be easier. There is still a great scarcity of arsenic, and the market remains strong. Bleaching powder is easier. Yellow prussiates of soda and potash have been declining in price due to smaller demand. Bichromate prices for the future are held at recent levels. Export prices for caustic soda are slightly higher for inside brands. Outside brands are unchanged. Barium compounds are in less demand and the prices are weakening. Difficulties in securing shipments of bauxite are hampering manufacturers of sulfate of alumina, and supplies are scarce. Heavy acids are in better demand which reflects good business con-

ditions. Copperas supplies are still scarce and producers are unable to meet the demand. Soda ash and caustic soda prices remain unchanged for next year's contracts and consumers are showing interest, as conditions seem to point to higher prices for the coming year.

Acid, Acetic—Buying is reported steady at the new schedule of prices. Prices are quoted at a range as to maker. 28 per cent named at \$2.92 $\frac{1}{2}$ @\$3.00, in carlots of barrels at works. 56 per cent at \$5.85@6.00. 70 per cent at \$6.50@6.60. 80 per cent at \$8.06@8.14. Glacial quoted at \$11.16@13.50.

Acid, Muriatic—Demand has been improving and supplies are not as plentiful as a few weeks ago. 20 degree acid in carlots of carboys named at \$1.10@1.25. In tank cars at 90c@1.10. 22 degree quoted at \$1.50 @1.75 in carlots at works. 18 degree at \$1.00@1.10 in carboys and 90c@1.00 in tanks.

Acid, Oxalic—Makers are naming 14c@15c in barrels at works. Imported prices are on a par with domestic and are quoting 14c@15c. Demand is active.

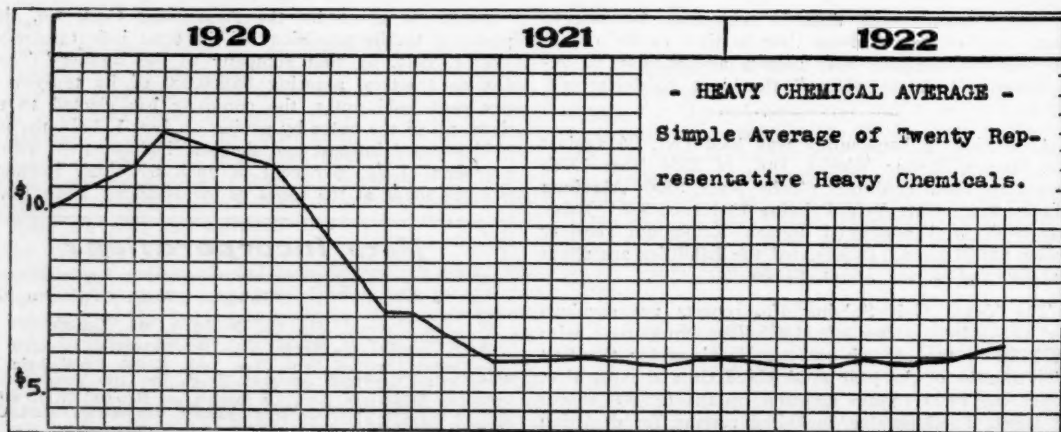
Acid, Nitric—Business being carried in routine way. Carlots of 36 deg. acid at works named at \$4.50@5.25. 38 deg. named at \$5.00@5.65. 40 deg. at \$6.50@7.15.

Acid, Sulfuric—Large demand reported. Makers are quoting 66 deg. acid at range from \$14.00@15.00 in tanks at works. 60 deg. quoted at \$9.00@11.00.

Alums—Supplies are scarce and the demand continues strong. Lump ammonia at works quoted at \$3.50 per 100 pounds. Ground named at \$3.50@3.65. Powdered at \$3.90. Potash lump at \$4.25@4.50 as to quantity at works. Imported at \$3.50.

Ammonium Sulfate—Market remains steady with supplies becoming more plentiful. Bulk at works named at \$3.20 per 100 pounds. In double bags f. a. s. New York quoted at \$3.50.

Ammonium Chloride—Business improving and the market is steady. Imported white quoted at 6 $\frac{1}{2}$ c @6 $\frac{3}{4}$ c. Domestic prices at 7 $\frac{1}{4}$ c@7 $\frac{3}{4}$ c. Gray named



at 7½¢@7¾¢ for domestic and imported at 8¢@8½¢. Lump at 15¢.

Arsenic—Little change in the market which continues strong on scarcity of supplies. Spot quotation generally named at 10½¢@11¢. Shipment prices at 10½¢.

Barium Chloride—Demand has fallen off and prices are easier. Domestic producers named at \$90.00@ \$100.00. Imported quoted lower at \$90.00@\$95.00 a ton.

Bleaching Powder—Prices remain steady at \$2.00 per 100 pounds at works. Makers are sold for the balance of the year and some are quoting same prices for early part of next year. Supplies somewhat easier.

Calcium Acetate—New quotations firm at \$3.00 per 100 pounds at works.

Copperas—Makers are still short of stocks and demand for this commodity is gaining. Bulk in carlots at works quoted at \$18.00@\$21.00 per ton. In bags at \$23 and in barrels at \$25.

Copper Sulfate—Demand is reported improving though makers have no trouble in supplying the demand at this time of the year. Carlots of barrels named at \$5.90. In smaller quantities at \$6.25@\$6.50.

Lead Arsenate—Somewhat early for prices and most makers are waiting until the first of the year. One producer quotes 15¢@26¢. The advancing price of arsenic makes the situation uncertain.

Potash, Caustic—Market has been quiet with buying confined to moderate quantities. Imported 88-92 per cent named at 6¼¢@6¾¢. Domestic quoted at 8¢@9¢ as to quantity.

Potassium Bicarbonate—Quoted at 8¢@9¢ for crystals as to quantity.

Potassium Prussiate—Demand less active and yellow is quoted slightly lower at 22¼¢@23¢. Red is also easier at 85¢@90¢ as to quantity.

Soda Ash—Consumers are showing interest and spot prices remain firm at \$1.75@\$1.80 per 100 pounds. Makers are taking contracts at old figures. 48 per cent in carlots at works in bags at \$1.20 per 100 pounds. Ex-warehouse prices at \$2.01 for 58 per cent light. Dense at \$2.07.

Soda, Caustic—Association quoting higher prices for export trade at \$3.55@\$3.60. Ex-warehouse prices New York at \$3.70@\$3.75. Contracts yet unchanged for next year by makers, at \$2.50 per 100 pounds for 60 per cent at works.

Sodium Nitrate—November prices are quoted at \$2.45. Demand continues strong and stocks in local market are low.

Sodium Prussiate—Market is growing easier and prices are quoted ½¢ lower. Trading has fallen off the past few weeks.

The Federal Trade Commission has dismissed complaints, alleging certain methods of unfair competition, against Louis Rosenthal, doing business as the United Chemical & Color Co., and the Heller & Merz Co., New York. The complaints charged that the companies had given gratuities to employees of customers.

There was only one bidder in the sale of 21,277 pounds of albumen, by sealed bids, opened Oct. 23, at the office of the Chief of the Air Service, Munitions Building, Washington, D. C. W. H. Gallon, Port Townsend, Washington, was the lone bidder.

The steamship *Essequibo* arrived last week from Chilean ports with 16,535 sacks of nitrate of soda.

Selwyn C. Edgar, president of the Edgar Zinc Co., St. Louis, died last week at 71 years of age.

BELGIUM'S SECURITY IS DYESTUFFS

Payments for orders placed by British manufacturers with the leading German aniline dyestuff makers will be indorsed over to the Bank of England, and payments for licenses from German chemical concerns held in England have also been pledged to protect the bank of England which has guaranteed to pay the new Treasury bills given to Belgium by Germany on account of Reparation payments. A block of 96,000,000 gold marks of these new Treasury bills was discounted recently by a group of leading Swiss banks, headed by the Swiss Bank Corporation of Basle, says a correspondent of the "New York Evening Post." The rate was 4½ per cent, which is three times that now paid in Switzerland for first-class bankers' acceptances. The bills are drawn against the Reichsbank and are payable in six months at the Bank of England, but do not bear the signature of the latter. They are indorsed not only by the German Government and Reichsbank, but by the Belgian Royal Treasury.

In a sense, the arrangement is detrimental to the stability of the mark, since the Reichsbank will have to keep one printing press running night and day in behalf of the aniline trust. At the same time the currency scarcity in Germany makes further use of the scheme probable.

PERU INCREASES TARIFF ON SODAS

Under the proposed new tariff now before the Peruvian Congress, and which may become law by Jan. 1, heavy chemicals are subject to higher duties. The Government hopes to encourage domestic industries. The rates are expressed in Peruvian soles, one sole at present rates of exchange being equivalent to .0391 cents, though normally valued at .0486 cents. Commercial Attache W. E. Dunn, cables from Lima to the U. S. Department of Commerce that the proposed duty on pure caustic soda, gross weight, is 0.50 soles per kilo of 2.2046 pounds, and on adulterated caustic soda, gross weight 0.05 soles. The present duty is 0.02 soles per kilo.

Attention is called to the fact that in addition to the basic duties imports into Peru have been subject to certain surcharges, varying with the port of entry; at Callao the surtaxes amount to 19 per cent of the duty, at all other ports 18 per cent. It is presumed that these will continue under the new tariff.

Claims of importers for a reduction of 20 per cent of the rate imposed on certain coal tar colors under the tariff act of Sept. 8, 1916, were sustained in decisions rendered by the Board of United States General Appraisers. Instead of 5¢ per pound and 30 per cent ad valorem, the board finds that they should have been assessed at 4¢ per pound and 30 per cent ad valorem under Title V, sections 509 and 501 of the 1916 law.

Owing to the fact that the Textile Alliance, Inc., has not ordered any Reparation dyes since June, of this year, and is now merely liquidating its remaining stocks, Chas. H. Stone, who for the past year has had charge of the distribution of the Reparation dyes will finish his work with the Alliance at the end of October.

The will of Isaac Guggenheim, eldest son of Meyer Guggenheim, head of the Guggenheim Copper Smelting & Refining interests, disposes of an estate of \$25,000,000. The bulk of the property goes to the widow and three daughters. Mr. Guggenheim died October 11 in Southampton, England.

The Fine Chemical Market

Current Spot Quotations of Fine Chemicals, see Chemicals, page 1138

FORMALDEHYDE MOVES UP AGAIN

Higher Manufacturing Costs and Scarcity Responsible
—Chloroform Higher—Quicksilver Easier—Mercurials, Iodides and Salicylates Firm—Market Steadier and Business Good

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced		Declined	
Formaldehyde, ½c lb.		Mercury, 50c flask	Chloroform, 10c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetanilid	\$3.30	\$3.30	\$3.30	\$3.33	\$2.00	\$2.20
Acid Citric, Import .....	.50	.50	.52	.45	1.25	.45
Caffeine Alkaloid	3.75	3.75	3.75	5.25	18.00	3.65
Calomel, American	1.15	1.15	1.15	.82	3.43	.90
Camphor, Jap., ref. ....	.86	.86	.86	.91	3.55	.41
Iodine, Resublimed	4.40	4.40	4.40	3.50	5.00	3.75
Menthol	7.00	7.00	6.25	4.75	13.50	3.00
Morphine Sulfate	5.35	5.35	5.35	4.80	12.80	4.50
Potassium Bromide, Cryst. ....	.26	.26	.26	.19	4.30	.80
Quinine Sulfate, Imp. ....	.50	.50	.50	.68	.90	.25
Sodium Salicylate .....	.42	.42	.39	.28	4.25	.27
Strychnine Sulfate .....	.84	.84	.84	1.15	2.05	.50
Average	2.11	2.11	2.05	1.94	5.92	1.56

The confidence which has been lacking in this market for some months past has apparently been restored and business is improving steadily. Price cutting has been eliminated in most lines and various odd lots have been practically wiped out of the market. The result is that the situation is basically controlled by factors strong enough to keep values steady. A number of medicinal chemicals such as bismuth preparations, mercurials and iodides are strong and seem due for another series of advances. Formaldehyde is again higher in an active market. Alcohols are all occupying firm positions. Quicksilver is cheaper. Makers have announced an advance on chloroform. Imported bromides reported weaker.

Acetanilid—Makers continue at odds as to price, naming variously 30c@32c/lb. for U. S. P. grade.

Acid Carbolic—Firm at last week's higher figures

and tending upward. Crude acid stocks practically bare on spot and prices are advancing steadily. U. S. P. goods on basis of 37c for 110 lb. tins and 46c for 1 lb bottles.

Acid Citric—Odd lots of imported grades going at from 50c to 51c as to quantity. Impossible to import at present shipment prices. American makers quote 50c on crystals and 51c on powder.

Acid Salicylic—Makers at 35c for U. S. P. and 32c@33c for technical. Small resale lots offered at 33c@35c lb. Prices firm and likely to advance again as phenol is going higher. Market active.

Acid Tartaric—Imported goods continue slightly under American product at 30c@31c/lb. as to quantity. Domestic acid at 32c. Demand good and prices firm.

Alcohol—Wood alcohol stocks are small and in some cases higher prices are asked. On 95 per cent, 95c@97c is being quoted, and 97 per cent, 98c@\$1.00 is named as to holder. Acetone free is at \$1.10@\$1.15 with pure methyl at \$1.05@\$1.07. Consumers ordering in large amounts and prices are tending upward.

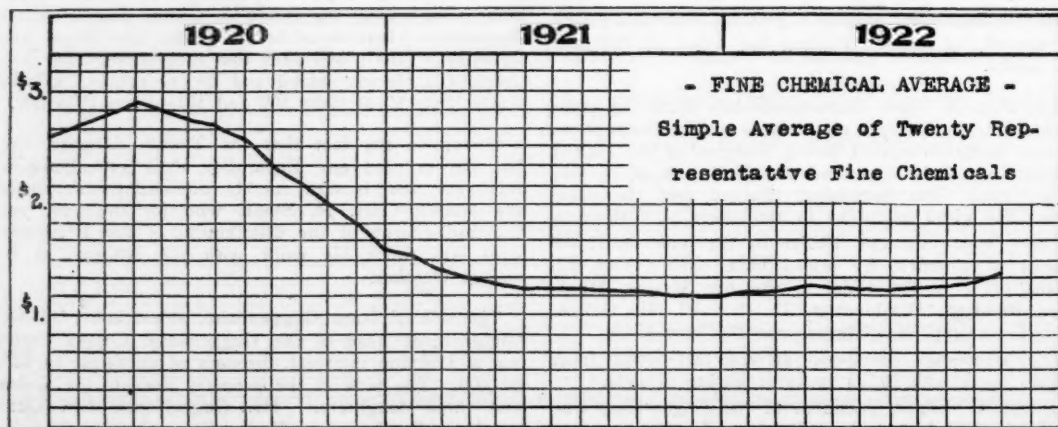
Bromides—Imported goods weak at 18c@20c for ammonium, 17c@20c for potash and 18c@20c for soda. Domestic goods at 25c@26c for soda, 26c@27c for potash and 33c for ammonium. In fair request.

Camphor—Spot 86c but 83c is quoted for nearby goods. Routine market. American material unchanged with bulk at 90c.

Chloroform—Makers have advanced to basis of 35c for U. S. P. and 32c@33c for technical. Higher manufacturing costs responsible.

Formaldehyde—Has again advanced as a heavy demand finds market rather short of stocks. Now at 13¼c in carlots of drums at works. Less cars of bbls. at 13¼c. Carboys at 14¼c. Costs more to manufacture as coal and labor are higher.

Menthol—Speculators asking \$7.25 for cases as market is temporarily short of stocks due to shipping difficulties. Consumers evidently holding off for arrivals. Largest factor selling cases to regular trade at \$7.00.



Several sales, for arrival of nearby material, made. Less cases spot at \$7.25@7.50.

Mercury—Slipped off to \$71.00@\$72.00 per flask. Not likely to go much lower as duty is high. Demand has subsided and sales are routine.

Quinine—Spot grades at 50c oz. Japanese goods due within ten days offered in 1000 ounce lots at 48½c. Heavy demand for minor salts continues.

Santonin—First hands quote \$172.00@\$175.00 for whole and \$173.50@\$176.50 for powdered goods. One resale lot offered inside at \$171.00.

Salicylates—Trend is to higher levels as phenol stiffens on spot. Methyl offered at 45c@47c; soda at 42c@44c. Resale in small quantities at 44c and 41c, respectively.

Fine Chemical Notes

The "Squibb Message," October, 1922, has been mailed to the drug and chemical trade throughout the country. It contains news of the proposed Squibb week, Nov. 19-25, when retail druggists will feature the company's products.

British South African imports of glycerin during the first five months of this year amounted to about one-tenth of the quantity received during the same period last year. The figure for 1922 was 764,503 lbs. as compared with 7,064,274 lbs. from January to June, 1921.

If samples of patent medicines shipped to Palestine are marked "Free Sample," they will be admitted duty free, according to a recent ruling of Government authorities. A meeting will be held shortly to determine how much material will be allowed in, under this ruling.

The Sutton Chemical Co., Sutton, W. Va., manufacturing wood chemicals, has resumed operations after a shut down of many months. The plant is now running at top speed and the concern is reported to have orders which will keep it going at capacity for the next six months.

Ignorance is bliss. The Manchester (N. H.) Mirror of Oct. 11 blissfully states that since the tariff went into effect the price of camphor advanced 50 per cent. The price has, in reality, been in no way affected by the tariff. One year ago Japanese refined goods sold at 91c. The first of Sept., 1922, the price was 83c, and camphor is offered today, nearby, at 83c. From whence cometh the 50 per cent advance?

The Board of Governors of the United Medicine Manufacturers of America held a meeting at Detroit recently. Two new recommendations were considered and will be placed before the members of the organization at the next annual meeting. One provides for the incorporation of the body under the District of Columbia laws; the other suggests that the Board of Governors be elected instead of appointed by the president.

Merck's Report, issued this month, says of the medicinal chemical situation: "The past three months have been characterized by a fairly steady progress toward business recovery. Conditions, both here and in foreign countries, are still such, however, as to render conservatism advisable. The outstanding feature of the past few months has been the calmness with which the adverse conditions, resulting from industrial disturbances, have been regarded throughout the business world. No clearer evidence could be given of the underlying confidence in the business strength of the country, and of a near return to an era of prosperity."

EXPIRATION OF LIQUOR PERMIT BONDS

The Prohibition Commissioner corrects a misunderstanding regarding the limitation of permit bonds in the following statement: "The only permit bonds limited to a three-year period were bond Forms 1408 and 1409, which were established by Regulations 60. Regulations 60 were originally promulgated by T. D. 2985, approved January 16, 1920. Therefore, no bonds on Form 1408 or Form 1409 could have been filed before that date.

"The bonds filed in the latter part of 1919 were on Form 738, which had been the number of permit bond form since the promulgation of T. D. 2559, approved October 29, 1917. The wording of the form (but not the number) was changed by T. D. 2788, approved February 6, 1919, and was again slightly changed by T. D. 2940, approved October 29, 1919. In all three of these Treasury Decisions it is stated that the bond shall be "continuing and indeterminate."

"It is apparent, therefore, that no permit bonds will expire by limitation before January 16, 1923. Before that time arrives the newly approved amendment to Regulations 60, contained in T. D. 3398, will have become effective, and the new form of bond established therein will be substituted for all existing permit bonds on or before April 1, 1923. These new regulations will become effective on December 3, 1922, sixty days after the approval of T. D. 3398, which was October 3, 1922."

LONDON QUICKSILVER MARKET STEADY

Alexander Pickering, head of the London house of Alexander Pickering Co., says of the London quicksilver situation: "Before the introduction of the new duty on quicksilver American buyers found London a convenient market from which to draw supplies. The sudden heavy demand caused a considerable rise in the price, which at one time went as high as £14 per bottle. The American demand having been satisfied it was necessary to replenish the London market. With the new arrivals the market has eased off considerably, until today the price stands at £12. A fair volume of business is passing and the market is quite steady."

Mr. Pickering expects to return to England next week.

Judge Anderson of Boston has signed a decree ordering the sale of all the assets of the New Idria Quicksilver Mining Co., in accordance with the plan drawn up by the reorganization managers. Albert J. Meserve and Philip L. Reed. The plan as adopted is the plan originally suggested by the reorganization managers amplified and reasonably varied. Shareholders have until Jan. 1 to subscribe for stock of the new company.

The estate of Benjamin P. Ducas, importer of chemicals under the firm name Benjamin P. Ducas & Co., and principal stockholder in the Chemical Specialties Co., has been appraised at \$3,153,971. The bulk of the estate is to go to Robert N. Ducas, the son, when he is 35. The son is now 20. No provision is made for Mrs. Ducas, owing to a settlement arranged for her in 1917.

The thirty-eighth annual convention of the Association of Official Agricultural Chemists will be held in Washington, D. C., at the Raleigh Hotel, beginning Nov. 15.

Charles E. Smith, for thirty-five years employed by Parke, Davis & Co. at the firm's New York office, died suddenly Oct. 15, at the North Jersey Country Club.

The Intermediate and Dye Market

Current Spot Quotations of Intermediates, See Chemicals, page 1138

BUYING NOW FOR FUTURE NEEDS

Demand for Intermediates Improving and Prices Firm
—Crudes Continue Scarce—Phenol Advanced in
Open Market and Reaches Highest Level Since 1918
—Benzol and Toluol Production Gaining

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced
Phenol, 4c lb.
Declined
No Declines

Trend of the Market.

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Benzene, C.P. gal.	\$.30	\$.30	\$.30	\$.27	\$ 1.10	\$.26
Naphthalene, flake lb.	.07	.07	.07	.07	.16	.03
Phenol lb.	.30	.26	.22	.09	1.50	.45
Xylene, 2 deg. gal.	.45	.45	.45	.45	..	..
Toluene, pure gal.	.30	.30	.30	.28	..	..
Aniline Oil lb.	.15	.16	.16	.17½	1.40	.10½
Benzaldehyde lb.	.55	.55	.55	.45	..	..
Betanaphthol, dist. lb.	.23	.23	.22	.30	1.50	.08
Paranitroaniline lb.	.73	.73	.73	.77	1.85	.08
Average	0.342	0.338	0.331	0.318	1.25	.167

Demand for intermediates has been improving and the market is on a firm basis. Buyers are showing greater confidence and are buying further in advance than has been the case heretofore. Values have remained steady except in those items which are immediately affected by the present scarcity and higher cost of raw materials. Coal tar crudes continue scarce and maker's production is well sold up. Phenol has advanced in the open market and is now at the highest level since 1918. Benzol and toluol production is gaining slowly, but is still far from meeting the demand. Aniline is in a firm position with stocks low and demand strong. Dimethylaniline has been advanced by one maker on the higher costs of production. Paranitraniline is strong due to the recent advances in acetic acid. Amidophenols are in better de-

mand at this season. Gamma acid has been moving well. Beta-naphthol is quite active.

Coal Tar Crudes

Benzene—Although production has been increasing it has not been able to keep up with the demand. Maker's prices are unchanged. 90 per cent grade is quoted at 27c@32c as to quantity. C. P. is named at 30c@35c.

Cresylic Acid—Maker's production is sold up and supplies on spot are scarce. Some foreign material has been received but prices will be high. Maker's prices named at 55c@57c for 97 per cent dark. 97-99 per cent straw held at 60c@62c. Decolorized at 80c@82c. Resale straw colored prices nominal. 75c@90c is generally quoted.

Naphthalene—Demand has been improving though movement has not been large. Crushed at works is named at 5c lb in carlots. Flake prices range from 7c@8c as to quantity at works. Resale at 6½c@7¼c. Balls at works at 8c@9c. Resale 7½c@8c.

Phenol—Small quantities are obtainable here and there though there is still a great scarcity. Prices have advanced and 30c@31c seems to be the inside figure now. This is the highest price paid for phenol in four years.

Toluene—Production is unable to meet the demand and maker is sold up. Very little is to be had for immediate shipment. Prices are unchanged and are quoted at 30c in tanks and 35c in drums at works.

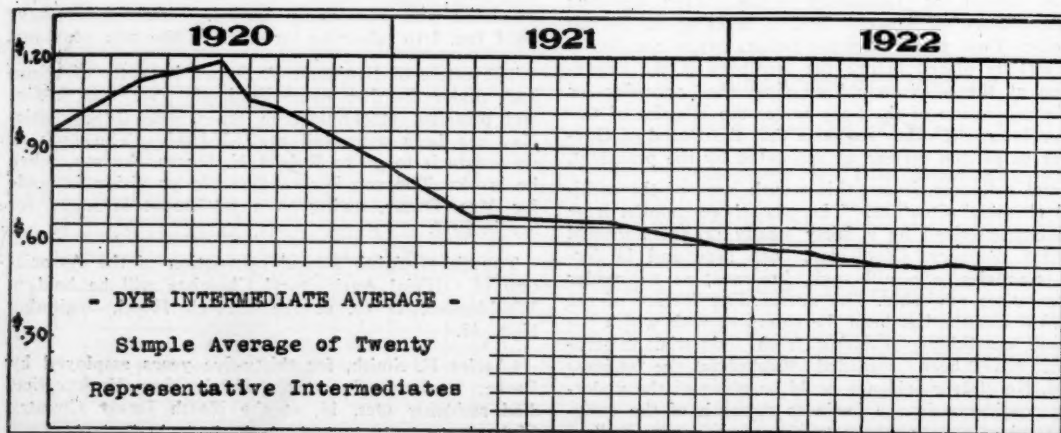
Intermediates

Acid, Anthranilic—No new developments have been noted. Technical is quoted at \$1.10@\$1.15 lb as to quantity. Refined named at \$1.30@\$1.35.

Acid, Benzoic—Technical named at 50c@55c according to quantity. U. S. P. at 60c@65c. Demand has been along routine lines.

Acid, Gamma—Demand is reported strong and makers busy filling orders. Prices quoted at \$1.75@\$1.85.

Acid, H—Movement is along good lines with renew-



ed interest shown by buyers. In large quantities makers quote 75c/lb and in single barrels at 80c/lb.

Acid, Naphthionic—Technical in barrels named at 60c@62c. Refined at 65c. Improvement in demand has been noted of late.

Acid, Salicylic—Continued advances in phenol have placed this commodity in a very strong position. Present prices named at 32c@33c for technical. U. S. P. quoted at 35c.

Aniline Oil—Demand continues strong and supplies in sellers' hands are low. Present range of prices name carlots at 16c. 10 drum lots quoted at 16½c and in smaller quantities at 17c.

Aniline Salt—Prices are firm and supplies are none too plentiful. Makers ask 24c/lb at works.

Benzidine—Demand continues to improve slowly. Prices still named at 85c@87c as to quantity at works.

Beta-Naphthol—Buying has been confined to moderate quantities but has been along steady lines. May be possible to do 22c/lb on firm order though price is generally quoted at 23c@24c.

Dimethylaniline—Scarcity and higher cost of raw material make market strong. Price advanced by one maker and others expected to follow. Range is from 36c@38c at works in the usual quantities ordered. Large lots 2c less.

Diphenylamine—No change in maker's price. Demand reported good. Named at 52c@54c as to quantity at works.

Nitrobenzene—Makers report good business and supplies somewhat limited. Crude named at 9½c@10½c. Redistilled at 10c@11c.

Ortho-aminophenol—Prices remain steady with improvement in demand. Quoted at \$2.35@\$2.50 as to quantity at works.

Para-aminophenol—Little improvement noted of late. Makers continue to quote at \$1.05@\$1.20. Hydrochloride at \$1.20@\$1.25.

Para-nitroaniline—In a strong position due to firmness of aniline and increased cost of acetic acid. 73c@78c is price generally quoted.

Para-phenylenediamine—Movement quiet. Quotations unchanged at \$1.50@\$1.60.

AUGUST IMPORTS OF DYESTUFFS

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Nov. 1.—Imports of dyes during August included 4,738 pounds of natural indigo, valued at \$5,075 from Switzerland, and 1,890 pounds, valued at \$942, from England. There were no imports of synthetic indigo. Other dyes imported were:

Countries	Alizarin and Alizarin Dyes		Colors or Dyes, N.E.S.	
	Pounds	Dollars	Pounds	Dollars
Denmark .....	.....	.....	849	596
France	3,529	3,582	1,096	1,284
Germany	52,380	64,115	118,753	204,945
Italy	5,279	4,838	3,744	5,508
Netherlands	2,619	3,555	1,568	1,576
Switzerland .....	.....	.....	104,921	194,501
England .....	.....	.....	10,708	4,820
Canada—Quebec & Ontario .....	.....	.....	33	215
Total	63,807	76,090	241,672	413,440

Countries	Extracts	
	Pounds	Dollars
France	6,700	1,381
Germany	66	75
England	11,200	605
Jamaica	8,158	484
Dominican Republic	6,949	460
British India	33,600	1,824
Japan	675	34
Total	66,748	4,864

TARIFF ON DYES FINALLY FIXED

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Nov. 1.—The Treasury Department has finally announced a method for arriving at the American value of imported dyestuffs. The circular gives a concrete example by way of illustration, as follows:

Assume that certain dyes classifiable under Paragraph 28 were exported from Germany on September 15, 1922, and imported at New York on October 1, 1922, and that the 'such or similar imported merchandise' which Subdivision D, Section 402, Title 4, contemplates shall be taken as the standard of comparison was selling at New York on September 15, in the usual wholesale quantities, etc., at \$1.45 per pound. This price includes the various items for which Subdivision D provides that allowance shall be made.

Assume a maximum allowance of 8 per cent for profit; dividing \$1.45 by \$1.08 gives \$1.34 and subtracting this from \$1.45 leaves 11 cents as the amount of the profit included in the \$1.45. Assume a maximum allowance of 8 per cent for general expenses, dividing \$1.34 by \$1.08 gives \$1.24 and subtracting this from \$1.34 leaves 10 cents as the amount of the general expenses, included in the \$1.45.

Assume that the cost of transportation, insurance and other necessary expenses from the place of shipment in Germany to New York was 3 cents and deducting this from \$1.24, leaves \$1.21, which includes the dutiable value and the duty. Assume that such merchandise was an article which on September 15 was dutiable under Section 500 of the act of September 8, 1916, at 30 per cent ad valorem. Dividing \$1.21 by 130% gives 93c as the value upon which duty was assessed, and which is the United States value of the merchandise imported on October 1 and subject to the 60 per cent ad valorem rate provided for in the proviso of Paragraph 28.

The amount to be deducted as duty in each case will be governed by the amount of duty actually paid on the article used as the basis for computation.

The foregoing applies to purchased goods. In the case of consigned goods the appraiser will ascertain the amount of commission paid or contracted to be paid and allow not to exceed 6 per cent of the gross selling price, in lieu of the 8 per cent profit and 8 per cent general expense. The transportation costs and duty will be ascertained in the same manner as on purchased goods.

To successfully compete against the German dye manufacturers, American business men must rely more on the knowledge of United States chemists than on any tariff bill was the opinion expressed by Dr. Emmett E. Reid, of Johns Hopkins, University, at a meeting of the Delaware section of the American Chemical Society held recently in Wilmington. Through experiments carried on by the most advanced methods, American chemists, he declared, have accumulated sufficient data and achieved ample results to assure the country's favorable entrance in the dye markets of the world.

The Research Committee of the American Association of Textile Chemists and Colorists held its eighth meeting at the Engineers' Club, Boston, on Friday, Oct. 13. Special committees, appointed at the June meeting to consider the fastness of dyed materials to light, and fastness to bleaching, reported considerable progress and that a complete statement would be ready for the next meeting.

The Oil Market

Current Spot Quotations of Oils, Tallows, Greases, page 1151

ANIMAL AND FISH OILS SCARCE

Cod and Menhaden Advance—Red Oil and Stearic Acid Higher—Tallow and Greases Firmer—Vegetable Oils in Better Demand—Castor Oil Is Cheaper—Business Improving as Soap Makers' Interest Increases

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Cod Oil 2c gal.	Menhaden Oil, 2½c gal.
Coconut Oil, edible, ½c lb.	Oleo Oil, No. 1, 1½c lb.
Corn Oil, crude, ¼c lb.	Red Oil, ¼c lb.
Greases, ½c@1c lb.	Stearic Acid, ¼c lb.
	Tallow, 1c lb.
Declined	
Castor Oil, ¼c lb.	Lard Oil, edible prime, 1½c lb.
	Sperm Oil, 10c gal.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Cod Oil, N. F. gal.	\$.56	\$.54	\$.54	\$.42	\$1.27	\$.36½
Degras, American, bbl. lb.	.04	.04	.04	.03½	.25	.03½
Lard, No. 1. gal.	.76	.76	.75	.67	2.90	.92
Menhaden, crd. bbls. gal.	.43	.40	.38	.33	1.20	.35
Neatsfoot, 20 deg. c.t. gal.	1.35	1.35	1.35	1.00	3.45	.96
Red Oil, distilled. lb.	.10	.09½	.08¾	.07½	.17	.07
Stearic Acid, T.P. lb.	.12½	.12	.10¾	.11¾	.33	.12
Coconut, Ceylon						
Dom., bbls. lb.	.08½	.08½	.08½	.09¾	.20	.14
Cottonseed, crude, tanks. lb.	.07½	.07½	.07½	.07¾	.25	.08
Linseed, carlots gal.	.89	.89	.88	.67	1.86	.57
Olive, denatured gal.	1.15	1.15	1.15	1.10	4.60	1.06
Peanut, refined lb.	.12½	.12½	.12½	.11	.30	.08
Soya Bean, bbls. lb.	.12½	.12½	.12½	.08¾	.19½	.07
Average	0.447	0.440	0.440	0.373	1.20	0.362

The market continues in a strong position with the supplies of animal and fish oils becoming less plentiful each day. Increasing demands by soap makers have made the market strong and prices have been tending upward. As the fishing season draws to a close, prices of fish oils are beginning to advance on scarcity of stocks. Cod oil has been advanced in the primary market and little is to be had locally. Menhaden stocks are said to be sold up and sellers are asking higher prices for the small quantities they have. The season is practically over in Chesapeake waters, and future operations

will be carried on further south. Lard oil is in a firm position. Greases have been advanced in price. Oleo oil is in good demand and higher in price. Tallow and tallow oil are higher. Red oil and stearic acid have been advanced. In the vegetable oils, linseed oil is firm with futures in good demand. Flaxseed prices are higher in the northwest. Cottonseed oil has been firm and market quotations are slightly higher than last week. Crude corn oil is in better demand and higher. Olive and palm oil are firm. Perilla oil is off the market. Castor oil is easier.

Vegetable Oils

Castor Oil—Market has been quiet and prices slightly easier. No. 1 quoted at 12¾c@13c in barrels. In cases 14c. No. 3 at 12c@12¾c.

Chinawood Oil—Trading has been quiet. Prices are practically unchanged with spot named at 12¾c@13c. In sellers' tanks at coast 11½c@11¾c. Orient to New York in barrels at 13c@13¾c. In tanks at 12c@12¾c.

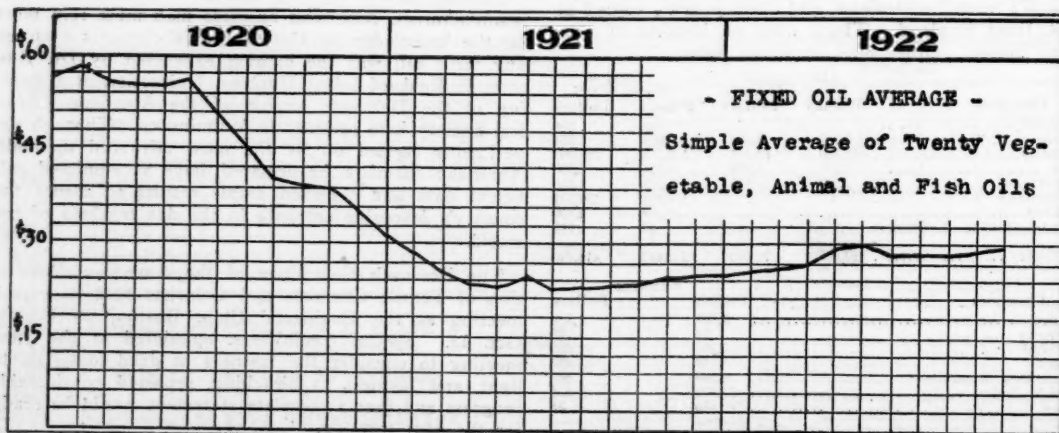
Coconut Oil—In better demand and firm. Ceylon in barrels New York at 8½c@8¾c. In tanks at 7¼c@7½c. Manila tanks coast 7c@7½c. Edible 10¾c@11c.

Corn Oil—Demand increasing. Crude in tanks higher at 7¾c@8c. Refined in barrels New York at 12¾c@12½c.

Cottonseed Oil—Prime summer yellow on spot at opening of week at 8.40c. Prices have been firm. November opened week at 8½c. June asked at 9½c. Crude in tanks at mills at 7½c. Southeast at 7½c. Texas 7¼c.

Linseed Oil—Market remains in a firm position. Demand for futures good. Spot oil held at 89c@90c. November at 87c and December at 86c. Imported not in great demand. Quoted at 84c@86c in barrels. London prices advanced to 40s per quintal. Antwerp also higher at 247 francs per kilo. Flaxseed prices are higher in the northwest. October Duluth cash opened weak at \$2.60. November \$2.50. December \$2.40. May \$2.34. Winnipeg October \$2.40. November \$2.40. December \$2.01. May \$2.02. Buenos Aires steady at \$1.70½.

Olive Oil—Prices remain firm for denatured and edible. Shipment prices easier. Denatured at \$1.15@1.18. Edible at \$1.80@2.10. Shipment at 8c@8½c.



Palm Oil—Movement fair and prices firm. Lagos at 7½¢@8¢. Niger quoted at 6½¢@6¾¢.

Soya Bean Oil—Supplies are scarce and demand reported improving. Crude in tanks at coast 10¢@10½¢. Crude in barrels New York at 10½¢@11¢. Refined New York 12½¢@12¾¢.

Animal Oils

Lard Oil—Supplies continue scarce and prices firm. Prime technical quoted at 12¼¢. Edible prime lower at 14½¢. No. 1 in barrels at 10¾¢. No. 2 10½¢.

Neatsfoot Oil—Quiet with prices steady. Pure in barrels New York at 12¾¢. 20 degree cold test named at 18¢ and 30 degree at 14¾¢.

Red Oil—Advanced again on scarcity and higher costs of materials. Distilled and saponified in barrels named at 10¢.

Oleo Oil—Buyers showing better interest. No. 1 in barrels New York advanced in price. Now held at 12¼¢@12½¢. No. 2 unchanged at 10¢@10½¢.

Stearic Acid—Makers have advanced prices due to increasing costs. Single pressed in bags at 10½¢. Double pressed at 11¢. Triple pressed distilled in bags at 12½¢. Saponified at 13¢.

Fish Oils

Cod Oil—Fishing season is at a close and stocks are somewhat low. Newfoundland quoted higher at 56¢@59¢. No supplies appear to be had on the local market.

Menhaden Oil—Available stocks have been sold and stocks are scarce. Sellers are asking higher prices. Sales were made at 42½¢ in tank lots. In barrels at works at 47¢@49¢.

Sperm Oil—Has been dropping steadily on good supply and small demand. 38 degree cold test bleached in barrels New York at \$1.05. 45 degree quoted at \$1.02.

Naval Stores

Turpentine—Prices eased off somewhat after reaching highest level in two years. Buying quiet at \$1.65 ex-yard New York. Savannah is also quiet at opening of week at \$1.58½.

Rosin—Southern markets quiet and prices have dropped. B \$6.90; B-M at \$6.95; N \$7.00; WG \$7.50; WW \$8.15.

VEGETABLE OILS HIGHER IN JAPAN

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Tokyo, Japan, Oct. 12.—Bright spots are appearing in the vegetable oil market, following an unusually slack fall season. The market usually experiences heavy buying during the autumn months, but consumers have been holding off, evidently awaiting lower prices. They have held off to the point where stocks have been almost exhausted, and some buyers are again on the market. As a result, some oils are advancing.

American buyers are in the market at Dairen, and the soya bean trade there is more active. Rapeseed oil, which was declining, has advanced 20 sen per box, the standard grade now standing at yen 13.60. Sesame oil is stronger on better demand. China wood oil is still weak, but linseed oil is firm, now being quoted at yen 14.30 per box. Perilla oil is one of the brightest spots in the vegetable oil market. The standard grade now stands at yen 20, and the extra standard grade is 50 sen higher.

Frederick Kuttroff, for some time secretary of Kuttroff, Pickhardt & Co., dye importers, is dead at the age of forty-nine.

Oil Trade Notes

The Los Angeles Soap Co., 633 East First st., Los Angeles, Cal., is erecting an \$80,000 plant.

The Plant of the Atlantic Paint Co., New Orleans, was destroyed by fire on Oct. 10, loss being estimated at \$40,000.

The Lowe Brothers Co., 452 East 3rd st., Dayton, O., has work under way on its new plant addition, for the manufacture of paints. John M. Lowe is president.

The W. P. Fuller Paint Co., Los Angeles, Cal., is taking bids for a one-story plant, to be located at Ave. 22 and Barranca street, estimated to cost about \$40,000.

Toch Bros., New York, manufacturer of colors, paints and varnishes, will move shortly from 320 Fifth avenue to Bowery Savings Bank Building in Pershing Square.

Several additional plant units for the manufacture of paints and varnishes will be constructed at Malden, Mass., by Wadsworth, Howland & Co., Inc., 139 Federal st., Boston. About \$600,000 will be expended.

The elimination of echoes and the improvement of acoustics in general by the proper use of paint will be discussed when the National Paint, Oil and Varnish Association holds its convention in Atlantic City, Nov. 13 to 17.

The Independence Mfg. Co., Wheatsheaf Lane and Amamingo st., Philadelphia, has filed plans for the construction of a one-story plant at Wheatsheaf Lane and Canal st., to be equipped for the manufacture of greases and tallow.

John Lucas & Co., Inc., paint manufacturers, Philadelphia, have called a special meeting for Nov. 10 to vote on a proposed increase in capital stock from 15,000 shares, having a par value of \$1,500,000, to 75,000 shares, having a par value of \$7,500,000.

The Interstate Commerce Commission has announced that a hearing will be held in New York City on Nov. 8, before Examiner Howell of the Commission, relative to import rates on vegetable oils from Pacific Coast points to central freight association territory.

An intensely white enamel has been developed by the Technical Division of the Paint Department of the du Pont Co. It is designed for surfaces that are subjected to gas or fumes such as hospitals, laboratories, bakeries, canning plants, etc. It is acid resisting, and its color stability is excellent.

The monthly report of the Trade of Canada for August gives the value of imports of paints, pigments and varnishes as \$298,935, of which \$193,186 was from the United States, \$70,707 from Britain and \$35,042 from other countries; compared with total imports valued at \$254,567, of which \$135,747 was from the United States, \$53,674 from Britain and \$65,146 from other countries, in August, 1921.

The Department of Commerce in discussing industrial activity in September has the following to say regarding vegetable oils: "Production of cottonseed oil was slightly less than in September, 1921, but stocks of both cottonseed and cottonseed oil were slightly higher. Flaxseed receipts in the northwest exceeded those of a year ago, shipments were less and stocks very much smaller."

The Crude Drug Market

Current Spot Quotations of Crude Drugs, page 1153

BUCHU LEAVES ADVANCE

Higher Spot Prices as Shippers Increase their Figures—Asafetida Cheaper—Lycopodium and Hungarian Chamomiles Down—Shortages in Jalap Root, Pomegranate Bark, and Wahoo Bark Cause Higher Prices—Manna Lower—Shellac Advancing

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Buchu Leaves, 10c lb.	Jalap Root, 4c lb.
Burdock Root, 8c lb.	Pomegranate Bark, 14c lb.
Corn Silk, 1/2c lb.	Sarsaparilla, Hond. 3c lb.
Elm, pwd., 1c lb.	Shellac, 10c lb.
Fennel Seed, French, 1/2c lb.	Tolu Balsam, 2 1/2c lb.
Ginseng Root, \$1.00 lb.	Wahoo Bark, root, 50c lb.
Horehound Herb, 1c lb.	
Declined	
Asafetida, 3c lb.	Lycopodium, 3c lb.
Benzoin Gum, 8c lb.	Manna, large, 20c lb.
Cantharides, Chinese, 5c lb.	Small, 4c lb.
Russian, pwd., 5c lb.	Sloe Berries, 2c lb.
Chamomiles, Hung., 1c lb.	Worm Seed, Levant, 20c lb.
Leeches, 50c per 100	

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Aconite Root, U.S.P.	\$.23	\$.23	\$.23	\$.22	\$.90	\$.12
Buchu Leaves, Short.	1.00	.90	.90	1.25	4.00	.85
Cantharides, Russian	3.25	3.25	3.50	2.50	9.00	2.10
Cocculus Indicus	.03 1/2	.03 1/2	.03 1/2	.06 1/2	.85	.03
Ergot, Spanish	.58	.58	.68	1.10	4.50	.54
Insect Powder, pure	.52	.52	.52	.36	1.00	.28
Ipecac, Cartagena, pwd.	1.75	1.75	1.75	1.60	4.50	1.35
Nux Vomica	.07	.07	.07	.10	1.45	.07
Opium, gum	6.75	6.75	6.75	5.50	30.00	5.00
Rhubarb Root, H. D.	.44	.44	.47	.35	1.75	.15
Tragacanth, No. 1, ribbon	1.75	1.75	1.75	3.00	6.00	1.50
Wild Cherry Bk., thin nat.	.09	.09	.09	.09	.21	.07
Average	1.39	1.38	1.40	1.35	5.28	1.00

A number of serious scarcities are developing in the American botanical drug group. Inability of growers to secure prices which would enable them to pick goods at a profit and adverse weather conditions have kept some of the new crops down to a minimum. Outside of this the market is normal enough with a fair volume of business reported done in all quarters. Buchu leaves are higher as import costs increase. Burdock and jalap roots, and pomegranate and wahoo barks are up. Asa-

fetida has weakened. Manna is again cheaper. Lycopodium, benzoin gum and Hungarian chamomiles are lower. Horehound herb has advanced. Ginseng root is sharply higher. Powdered elm is slightly firmer. Chinese cantharides and Russian powdered goods are off. Levant wormseed has been dropped. Rhubarb, ergot and sarsaparilla continue weak but unchanged. Shellacs are advancing.

Agar Agar—No. 1 grade held high with very little available on spot. Quoted practically nominally at \$1.48@1.58lb.

Asafetida—Cheaper as supplies become plentiful in a rather dull market. Now at 35c@38c/lb. Powdered article unchanged at 60c@62c/lb.

Belladonna—Holds firm at 12c@13c for leaves. Some sellers ask higher than 13c.

Buchu Leaves—Considerable material reported taken out of the spot market by speculative interests, and price advanced as shippers increased their figures. Bales now inside at \$1.00 with less than bales ranging from \$1.05 to \$1.10, as to quantity. Trend is to higher levels. For shipment 95c c. i. f. is reported asked.

Burdock Root—Virtually off the market. Nominal at 20c@22c/lb.

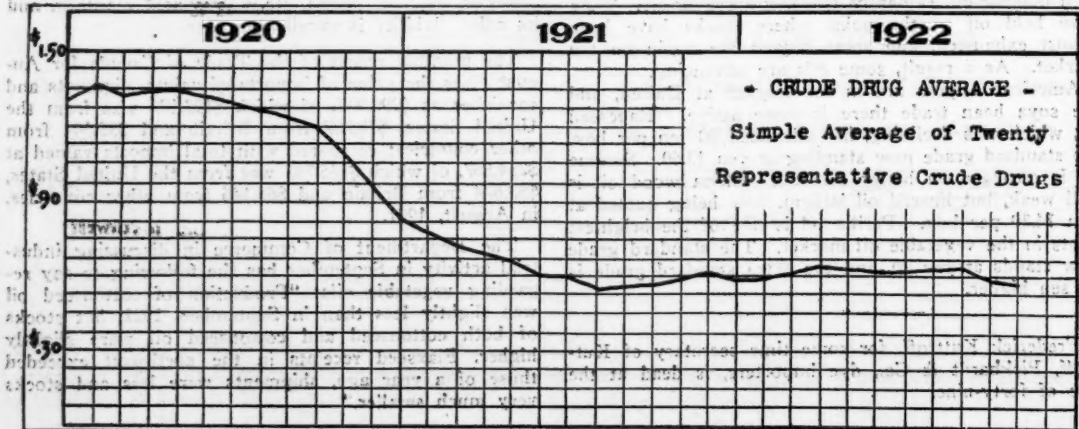
Cannabis—Small amount of U. S. P. goods available held at \$1.25. Off grade material offered from 40c up.

Cantharides—Chinese whole goods have been reduced to \$1.05@1.10. Russian powdered cut to \$3.70 @ \$3.75. Chinese powder and Russian whole unchanged at \$1.25 and \$3.25 respectively. Market without interest.

Cascara Sagrada—Scarce on spot but 10c price is reported quoted for goods on the coast. Spot 12c@14c is named. Firm at that figure.

Chamomiles—Hungarian goods weak and in poor demand at reduced figures. Offered at 23c@25c. Roman firm for shipment and scarce spot at 75c@80c/lb.

Cloves—In this market better than 31c is not openly quoted as goods are scarce. For arrival within three weeks 26c is named. For late shipment as low as 16c c. i. f. has been heard.



Corn Silk—Up to 5½c@6c as stocks are low.

Cubeba—Outside seller offers XX at 80c@82½c and powder at 85c@87½c unchanged. Crude drug houses hold their prices higher. Market is loaded with considerable material and only routine interest is manifested.

Elm—Powder slightly higher at 14c@17c. Bundles weak and uninteresting at 27c@28c unchanged.

Ergot—Spot open quotations 58c@60c but rumors lead one to believe a better price could be uncovered with an order. Shipment figures range so widely and source and grade of material are so questionable that definite information cannot be given at present.

Fennel Seed—Higher for import and up to 12½c @13c on spot. Sellers predict higher prices as 12c is asked for shipment. German firm at 20c@22c.

Ginseng Root—All grades higher as goods are scarce. Cultivated \$7.50@\$10.00, N. W. wild \$12.00@\$15.00, and S. wild \$9.00@\$11.00. Ranges are as to quality.

Horehound Herb—Enjoying a good demand at advanced figures. Now 9c@9½c and tending upward.

Jalap Root—Advanced to 25c@30c for 7 to 10 per cent test whole. Powder up to 29c@34c as to grade and seller. Goods that test 20 per cent offered temporarily at 35c. Shortage of material causing higher prices.

Leeches—Reduced to \$9.00@\$9.50 per 100 by lone spot holder.

Licorice Root—Supply of whole and powdered natural goods not up to normal. Bales at 9½c@10c with powder at 10½c@11½c. Selected bundles plentiful at 18½c@25c. Cuttings 9c@10c. Russian root due in two weeks offered at 8c for arrival.

Lycopodium—Off to 72c@75c. Demand poor and quantity of available goods large.

Manna—Arrival of new crop causing prices to go still lower. Small flake down to 38c@40c. Large flake down to 65c@70c.

Pomegranate Bark—Bark of root and fruit practically nominal at 30c.

Sarsaparilla—Increasing demand caused Honduras stocks to firm to 50c@52c. Mexican weak at 24c@25c.

Sloe Berries—Cut to 3c in effort to uncover possible buyers of this long inactive article.

Tolu Balsam—Low priced goods off market and price back at 70c@75c.

Wahoo Bark—Bark of root virtually unobtainable at \$1.25.

Wormseed—Levant seed dropped to \$3.30 to meet lower priced arrivals.

Shellac—All grades of shellac have been advanced sharply on spot as Calcutta shipment figures increase. T. N. at 70c@72c, superfine orange at 75c@80c, bone dry at 82c@84c, and powdered regular at 80c@82c. Still higher prices are predicted as demand grows.

The Commissioner of Internal Revenue is sending out the following notice to collectors regarding modification of special denatured formula No. 47: "Effective thirty days from date hereof Formula No. 47, specially denatured alcohol, may no longer be withdrawn for use in the manufacture of Tincture of Arnica, N. F. It may continue to be withdrawn and used for the manufacture of liniments for external purposes pursuant to approved formulas."

The Croft Drug Co., Terrell, Tex., suffered loss estimated at \$5,000, by fire and water on Oct. 15. Partially covered by insurance.

WHOLESALE DRUGGISTS PLAN PUBLICITY

(Special to DRUG & CHEMICAL MARKETS)

Buffalo, N. Y., Nov. 1.—The Federal Wholesale Druggists' convention, which was held at the Hotel Statler, brought together a large number of members of these co-operative corporations identified with the central body, including more than one hundred delegates and not less than eighteen representatives of the twenty-five companies in the organization.

Subjects discussed were business methods, systems of accounting and credits. Delegates told their experiences in the management of their companies and what they were doing to bring these enterprises to a higher state of efficiency. The election of officers resulted as follows:

President—C. Krieger, of the Ellicott Drug Co., Buffalo.

Vice-President—W. A. Hargraves, of the Drug Trading Co., Toronto, Canada.

Treasurer—O. J. Cloughly, of the St. Louis Wholesale Drug Co., St. Louis.

Secretary—R. E. Lee Williamson, Calvert Drug Co., Baltimore.

Executive Committee—J. H. Marshall, Northwestern Drug Co., Minneapolis; O. B. Thuma, Cincinnati Economy Drug Co., Cincinnati; J. J. Dryer, New Jersey Wholesale Drug Co., Newark, N. J.

A special publicity committee was appointed to place before the druggists of the country who are not members of the co-operatives the benefits of membership, and show them what is being done to improve the position of the retailers. This committee is made up of R. T. Blackwood, Philadelphia Wholesale Drug Association; F. T. Stone, Washington Wholesale Drug Exchange, and J. J. Dryer, of the New Jersey Wholesale Drug Co.

Invitations were received from the following cities for the convention of 1923: Chicago; Atlantic City, N. J.; Toronto, Canada, and Minneapolis, Minn. A selection will be made later.

The companies comprising the association represent over 12,000 retail druggist stockholder customers, and have an invested capital of approximately \$7,000,000, with an annual estimated business of \$60,000,000, an estimate based upon the turnover for 1922.

THE DRUACHEM CLUB'S SURPRISE

The Druachem Club will give an entertainment and dinner on Monday evening, Nov. 6, the night before election, at the Club Headquarters, 160 Pearl street. Members are wondering what the Entertainment Committee has arranged for the programme. The announcement that there will be no speakers has aroused intense interest in the identity of the entertainers, but the committee remains silent. The hour is 6:30, and members must not only send in reservations early this week to secure seats, but must also be on time to get the seats they expect because when the announcement of the "head liners" is made the front seats will be appropriated without regard to right, title or ownership.

The committee in charge of the dinner includes Ben Spencer of B. M. Spencer & Co., B. J. Fogarty of J. L. Hopkins & Co., Richard Prentice of W. Benkert & Co., John A. Chew of the Warner Chemical Co., and George Huisking of Chas. L. Huisking, ex-officio.

G. A. N. King, secretary and treasurer of McLaughlin, Gormley, King & Co., Minneapolis, Minn., is expected in New York City Thursday, Nov. 2.

The Essential Oil Market

Current Spot Quotations of Essential Oils, page 1157, Aromatic Chemicals, page 1158

ITALIAN ORANGE OIL CHEAPER

Weakness Abroad Reflected in Lower Spot Figures—Wormseed Again Sharply Higher as Offerings in the Country Advance in Price—Bergamot Lower on Spot—Oil Peppermint Continues To Decline—Bitter Almond and Spearmint Easier

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced

Oil Cloves, 10c lb. Oil Hemlock, 10c lb.
Oil Wormseed, 50c lb.

Declined

Oil Almond, bitter, 25c lb. Oil Nutmeg, 5c lb.
Oil Bergamot, 15c lb. Oil Peppermint, 10c lb.
Oil Cananga, 25c lb. Oil Spearmint, 15c lb.
Oil Orange, Italian, 5c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Oil Bergamot	\$3.00	\$3.15	\$3.00	\$5.25	\$7.00	\$5.00
Oil Citronella, Ceylon	.46½	.46½	.50	.40	.92	.60
Oil Cloves	2.00	1.90	2.15	2.45	3.70	1.40
Oil Lemon	.65	.65	.65	.70	1.70	2.00
Oil Peppermint, Nat.	2.60	2.70	2.85	1.75	9.00	2.25
Oil Sandalwood, E. I.	6.65	6.65	6.75	7.00	13.50	5.25
Oil Sassafras, Artif.	.42	.42	.42	.53	1.00	.26
Benzaldehyde, U.S.P.	1.40	1.40	1.40	1.40	5.15	1.90
Coumarin	4.00	4.00	3.50	3.75	31.00	3.10
Methyl Salicylate, Cans	.47	.47	.41	.35	1.00	.90
Vanillin	.45	.45	.45	.60	.95	.29
Average	2.00	2.02	2.01	2.20	6.83	2.05

Consumers are coming into the market with greater regularity and are taking on goods in increasing quantities. Essential oil sellers say that while they could do more business they are not complaining about the volume that is passing at present. Prices were subjected to the usual run of changes during the week, few of which were sharp enough to be of great importance. Orange is reported quite weak in Italy and spot values are easier. Bergamot prices are lower. Bitter almond oils are cheaper. Oils peppermint, natural and

redistilled, were reduced again. Wormseed is advancing. Oil cloves reacted to the \$2.00 level. Hemlock oil is firmer. Oils spearmint, nutmeg and cananga are off. Methyl salicylate is firmer. Aromatic chemicals continue upset.

Essential Oils

Oil Almond—Bitter oil is easier as interest is not particularly active at present. One seller has reduced his U. S. P. goods to \$4.00@\$.425. All hands are down to \$4.00@\$.425 on ff PA. Sweet oil available in quantity at 40c. Ranges to 45c as to brand and seller.

Oil Anise—Shipment reported firmer at 46c c. i. f. On spot 50c@55c is quoted for technical with U. S. P. goods at 55c@60c.

Oil Bergamot—Has suffered a temporary relapse owing to inactivity on part of consumers. Offered at \$3.00@\$.315 on spot according to amount taken.

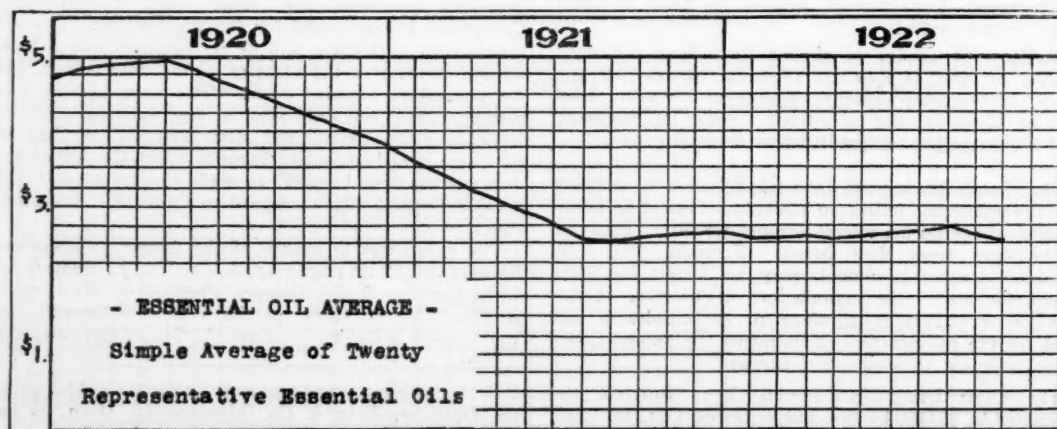
Oil Cananga—Eased off to \$2.25@\$.250 for native and \$2.50@\$.275 for rectified. Removal of duty softened figures considerably.

Oil Cedar Leaf—Generally quoted from 85c to \$1.00 as to quantity and seller. On 1,000 pound orders 80c can be done in one quarter. Prices range widely as to quality.

Oil Citronella—On sufficient quantities of oil in drums 46½c is being done. Ranges to 48c on single drums. Cans are unchanged at 48½c@50c lb. Java oil due this week offered at 68c@72c lb in drums. For cans 75c@80c is asked. Ceylon oil not likely to go a great deal lower but prices will probably be slightly easier.

Oil Cloves—Has reacted to \$2.00@\$.210 for cans and \$2.10@\$.220 for bottles as distillers advanced their quotations to the trade. Buying of spice in open market caused temporary reaction. One seller said \$1.50 was being named for January oil delivery.

Oil Coriander—Scarce and high on spot and for shipment. From \$22.00 to \$25.00 according to desire of holder to sell.



Oil Cubeb—Held at \$5.75@6.00 as to quantity. Lone sellers asking up to \$6.40lb.

Oil Eucalyptus—Available at 40c in quantity. Ranges to 45c. Firm as demand is increasing steadily.

Oil Ginger—Plenty of oil on spot generally quoted at \$5.25@5.50lb. Better might be done with a firm order for considerable material.

Oil Lemon—Weak and uninteresting at 65c@80c as to quantity, holder and brand. In regular channels better than 67c cannot be done. Lower priced material in hands of speculators, is report.

Oil Hemlock—Scarcity of spot goods has firmed price to \$1.10@1.25 as to seller.

Oil Mustard—Price war still on and artificial goods can be had very cheap. In 100 pound cases \$2.30lb is quoted. For less \$2.50@2.75 as to quantity.

Oil Nutmeg—Easier at 85c@95c in a dull market.

Oil Orange—Soft in Italy and lower on spot at \$2.60@2.70. In large amounts \$2.50 is possible. West Indian weak at \$2.40@2.50. American oil at \$2.90@3.00. Interest in all grades low.

Oil Peppermint—Cheaper in country and on spot. Natural oil quoted \$2.60@2.70 with U. S. P. down to \$2.85@3.00. Quiet and soft at those figures.

Oil Spearmint—Down to \$2.50@2.60 as prices for shipment from country become easier. Producers willing to make concessions to move their goods, as buying of new crop has not been animated.

Oil Wormseed—Has advanced sharply to \$3.25@3.50lb as control of oil in the country tightens. The combine or factors who have cornered goods in producing centers want \$3.00 f. o. b. Supply is reported good but determination of producers to realize more is increasing prices. Trend is upward.

Aromatic Chemicals

Are still in too uncertain a state to enable sellers to quote anything resembling a firm price. Question as to what products are made in this country and as to the price after manufacture has been established is preventing importers from standing on a steady basis. Some goods are being brought in by sellers who are willing to "take the bit in their teeth" but for the most part activity in this line is lacking. Strenuous efforts are being made to clear the problem.

Methyl Salicylate—Phenol advanced again during the week and higher prices for synthetic wintergreen can be looked for in the near future as it seems likely phenol will go still higher. Methyl sal now at 45c in drums and 47c in cases. Resale at 43c@44c for small amounts.

Coumarin—Firm but in good supply in makers' hands at \$4.00@4.10. Resellers are quoting up to \$4.25.

Note—The essential oil prices quoted under "Prices Current," and those mentioned above are all ranged as to quantity and some as to quality. Consumers cannot obtain small amounts of the oils at the inside price. A container given in connection with a price does not necessarily mean that the price is based on the quantity which the container holds. Containers named are the original packages most commonly sold in this market.

Burton T. Bush and M. J. Seeley, of Antoine Chiris Co. sailed for Europe Tuesday, Oct. 24, on the Aquitania. They will be at the Paris offices of the company part of the time, returning to the United States about the first of December.

SICILIAN ESSENTIAL OIL PRICES

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Catania, Sicily, Italy, Oct. 14.—Although the Italian lira declined further in value, bringing the United States dollar to lire 23.50 and the English pound sterling to lire 104, the prices of essential oils gained little. The following table gives an idea of how the prices have oscillated recently:

	Aug. 27	Sept. 3	Sept. 24	Oct. 1
Lemon juice	6.75	7.00	7.00	7.00
Sweet orange	32	31	27@29	32@33
Bitter orange	31.50	31	24	26
Mandarine	4.46	45	44	47
Bergamot oil	43	42.50	44.50	42@43

Machine pressed lemon juice was offered at too high a price to find buyers. Sweet orange juice declined continually until Sept. 24, when a recovery began on stronger demand, especially from exporters.

The Sicilian product suffered through the competition of Calabrian orange juice, that appears to have been better pushed. A certain quantity of orange juice of the old production found sale. Future deliveries of this juice were offered at a lower price; and some contracts were booked. Bitter orange was less fortunate than sweet orange juice, and its price declined continually, recovering very little.

Milan, Oct. 14.—Despite the fall in essential oil prices on the Sicilian market the price of sweet orange on the Milan market advanced. The same was the case with bitter orange. On bergamot oil the rise in price continued until the end of September. A slight fall in price was noted in October. The price of lemon juice was little affected, but mandarine oil prices fell continually, owing to absence of demand.

Essential Oil Notes

Mr. and Mrs. J. H. Montgomery are the parents of of twins, born Oct. 25. The mother and the children are reported doing well. Mr. Montgomery is with Antoine Chiris & Co.

The annual convention of the American Bottlers of Carbonated Beverages and the National Beverage Exposition will be held during the week of Nov. 13-17 at Atlanta, Ga. Advance information indicates that both affairs will be very successful.

The Essential Oil Co., Trenton, N. J., has been re-organized and the sales have been taken over by the American Linseed Co. Headquarters are now located at 297 4th avenue, New York, the office of the American Linseed Co., which owns the essential oil concern.

Shipkoff & Co., Ltd., are now selling their otto of rose through their own American office at 219 Pearl street, New York. A definite policy has not yet been determined, but at present the concern will not market the oil through an agent. Antoine Chiris & Co., who were the selling agents for Shipkoff in this country until Oct. 1, expect to have their own brand of otto of rose in the future.

Over eighty per cent of the perfumery and cosmetic manufacturing concerns in the United States employ under five persons in their establishment. In 1919 there were 569 firms in this field, employing 9,446 persons as against only 496 firms in 1914 which employed 5,421 persons. New York State produces more of these materials than any other State and the value of its products more than trebled during the five years between 1914 and 1919. The figures were \$7,507,864 and \$26,708,960. Illinois, New Jersey, Ohio and Michigan follow in order of importance.

The Consuming Industries

RUBBER COMPANIES MAKING CONTRACTS FOR 1923 SUPPLIES OF CRUDE PRODUCT

British Plan to Limit Output in Ceylon, Malay States and Straits Settlements—Holland Balks at Agreement—Effect of Export Duties on Prices—Will Restrictions Enhance Rubber Products?

The plan to restrict the crude rubber output in Ceylon, the Malay States and the Straits Settlements, which is recommended by the Rubber Committee of the British Colonial Office, has stimulated American companies to make provision for 1923 supplies. Already, several British companies have made contracts with American consumers. Provision is made to protect companies which have sold a larger quantity than is allocated to them under the restriction scheme.

By an agreement with the Timbang Deli (Sumatra) Rubber Co., the General Rubber Co. of New York engages to take the Sumatra company's entire output of standard rubber from Jan. 1 next to the end of 1924. The rubber is deliverable ex go-down on the estate, the price to be the average of the daily quotations for London spot standard smoked sheets, calculated monthly, with a minimum of 8d per pound and a maximum of 16d per pound, the maximum to be increased by the amount of any export tax in existence at the time the price is calculated. This contract is automatically renewable for further periods of two years unless terminated by six months notice by either party.

The investment of more than \$500,000,000 in the shares of rubber companies financed in England has been an important factor in causing Great Britain to act independently in the effort to curtail the production of crude rubber in the Far East. The refusal of Holland to co-operate by limiting the output of her colonies is based upon the belief of Dutch financiers that the law of supply and demand should rule. It is known, however, that thousands of acres in the Dutch East Indies have gone out of rubber cultivation owing to low prices.

The Rubber Committee of the British Colonial Office recommends that compulsory restriction should be put into operation in Ceylon, the Malay States and the Straits Settlements as soon as possible. Generally speaking they suggest as the standard output for the forthcoming period the actual output of each producer for the twelve months ended Oct. 31, 1920. Control of exports is to be instituted with a sliding scale of export duties according to the percentage of standard production exported, the duty to begin at a minimum of 1d per pound and rise 1s per pound in the case of a company exporting the equivalent of its total standard production. At the initiation of the scheme the percentage exportable at the minimum rate of duty is to be sixty. When the rubber situation improves so as to justify increasing exports this percentage figure will be reconsidered.

The demand for tanning materials at Turin, Italy, improved with the beginning of October, owing to the fear of many tanners and merchants that prices would advance. Some quotations per 100 kilos are: Quebracho extract, lire 330 to 335; chestnut extract, lire 105 to 110; Smyrna valonea, lire 75 to 90; English sulfate of soda, lire 230 to 250.

New Consuming Companies

Sho-Form Co., Buffalo, \$25,000. To make soap products. L. E. Moschel, W. F. and F. G. Messing; attorneys, Persons & Blair, Buffalo.

Crystal Soap & Chemical Co., Wilmington, Del., \$100,000. Corporation Trust Co. of America.

Gloria Productions, Inc., Wilmington, \$1,400,000. To make motion picture films. Corporation Trust Co., 37 Wall st.

Consolidated Coca Cola Bottling and Distributing Co., Wilmington, \$2,000,000. Delaware Registration Trust Co.

Universal Cleaning and Dyeing Corp., Dover, Del., \$200,000. Corporation Trust Co. of Delaware.

Femigloria Laboratories, New York, \$250,000. To make cosmetics and perfumes. W. R. Smith, B. Brown, J. Ross; attorneys, Zeigler & Berliner, 44 Beaver st.

Tropical Extract & Color Co., New York, \$10,000. E. Lainfiesta, P. Davis, W. Cahill; attorney, C. N. Angell, 15 James Slip.

Clinton Chemical Corp., Irvington, N. J., \$125,000. To make drugs. F. W. Wilcox, H. B. DeForest, New York; George F. Schmitt, Irvington.

Chemical Enterprises, Inc., Bronx, N. Y., \$100,000. To make disinfectants. J. Grossman, 3060 Albany Crescent, New York. Corporation Trust Co., 37 Wall st.

American Beauty Shoe Mfg. Co., Dover, \$100,000. J. F. Mayhew, J. A. Brooks, F. H. Miller, Pittsburgh; Colonial Charter Co., Dover.

Elhide Co., Dover \$1,000,000. To make roofing and paving materials. J. G. Runkle, Cambridge, Mass.; Harry I. Reed, Wakefield, Mass.; Ed. F. Logan, Lynn, Mass.; Corporation Service Co., Dover.

McCullough Drug Stores Co., Wilmington, \$2,000,000. Corporation Trust Co. of Delaware.

S. K. B. Drug Stores, Glen Cove, N. Y., \$10,000. B. Singer, A. Kabnick; attorney, B. H. Kabnick, Glen Cove.

Noun Chemical Co., New York, \$5,000. To make patent medicines. E. D. Neuman, H. C. Harvey; attorney, F. F. Neuman, Jr., 601 W. 144th st.

Chester Perfume Soap Co., Brooklyn, \$5,000. M. Blumberg, I. Wartofsky; attorney, S. Rosenberg, 309 Broadway.

Cramer & Jardine Drug Co., Rochester, N. Y., \$20,000. A. H. and J. Jardine, B. A. Cramer; attorney, M. Miller, 62 State st., Albany.

Trichromatic Engraving Co., New York, \$50,000. C. A. Grotz, J. H. Tyron, E. Campbell; attorney, R. B. Olsen, 200 5th ave.

Ko-Fan, Wilmington, \$5,000,000. To make beverages and syrups. Corporation Trust Co. of America.

Futt Corp., Dover, \$100,000. To make confectionery. Elizabeth Futt, Eliz. G. French, Philadelphia; Herbert L. Maris, Penfield, Pa.; rep., A. A. Watson, Dover.

S. Jack Haines Corp., New York, \$10,000. To make shellacs, varnishes, etc. S. J. Haines, M. Spitzer; rep., J. J. Ryan, 355 West 149th st.

Novatone Co., Brooklyn, \$5,000. To make paints and dyes. L. and M. Ornstein, J. Randolph, J. H. Garmes, 51 Chambers st.

Tarrantine Mfg. Co., Inc., Bangor, Me., \$96,000. To make soap products. H. H. Hanson, S. F. Chalfin, C. D. Bartlett, Bangor.

Birmingham, Little & Prosser Co., Kansas City, Mo., \$60,000. To make paper products. John Birmingham, E. H. Becker, Con J. Murphy, Kansas City.

Ko-Kondel Co., Houston, Tex., \$14,000. To make insecticides. T. E., J. W. and H. F. Harrington, Houston.

United States & Mexican Oil Co., Richmond, Va., \$15,000,000. To make petroleum products. C. W. Beale, G. B. Hazelgrove, Richmond.

United States Glass Corp., Pittsburgh, \$5,000. W. W. McAdams B. D. Booker, F. J. Holub, 747 Union Arcade.

E. & H. D. Medicine Co., Inc., Baltimore, \$10,000. To make medical and toilet preparations. C. F. Erhardt.

Peerless Products Co., First st., Mt. Washington, Md., \$100,000. To make varnishes, thinners and paints. Floyd T. Macgill.

Peroxide Mfg. and Specialty Co., San Francisco, \$100,000. E. S. Pillsbury, James D. Adams, Robert J. Lipman.

Southern Tanning & Mfg. Co., Punta Gorda, Fla., \$50,000. To make leather products. J. T. Sweeney, T. C. Crossland, W. W. Knight, Punta Gorda.

Fixem Mfg. Co., Detroit, Mich., \$35,000. To make chemical specialties. Carl Wrobel, M. Peters, A. P. Norton, 3066 Van Dyke ave., Detroit.

East West Refining Co., Los Angeles, Cal., \$100,000. To make petroleum products. F. S. Wilson, G. B. Clark, Santa Monica, Cal., S. R. Harding, Los Angeles. Registrar & Transfer Co., 900 Market st., Wilmington.

Swihall Mfg. Co., 410 Rush st., Chicago, \$25,000. To make rubber specialties. A. E. and O. W. Anderson.

GLASS COMPANIES BUSY

Flasks, made of a new kind of glass, were dropped from a height of four yards and were used to hammer nails into boards, at a recent meeting of the Prague Association of Sugar Technicians, and did not break. No cracks in the glass were visible after the flasks were subjected to rapid temperature changes. There is not enough of the proper grade sand, however, to make the manufacture of this new material a commercial proposition.

The Houton-Bates Glass Co., Poteau, Okla., manufacturing bottles and other containers, has sold its plant to George F. Collins, Sapulpa, Okla. The new owner will make a number of extensions and improvements, increasing the capacity of the factory.

Various blown glass products will be made at two new plants located at Monroe and Cedar Grove, La. Thomas Stilwell, Anderson, Ind., and persons connected with the Lippincott Glass Co., Hartford City, Ind., are in charge.

The Graham Glass Co., Fairmount, Ind., will make extensions and improvements in its plant. The works are temporarily shut down while new operating equipment and a tank are being installed, but will reopen at an early date.

The Van Buren Glass Co., Van Buren, Ark., is taking over the plant which formerly belonged to the Arkansas Products Co., and expects to reopen the works at an early date. A new line of glassware will be manufactured.

The Monroe Glass Co., recently organized, is building a 25,000 plant which will be in operation by the first of the year. John Hartman, Alexandria, La., vice-president of the concern, is in charge of operations.

A new glass products plant will locate in Pawhuska, Okla., if Chamber of Commerce plans do not miscarry.

ACTIVITIES OF PAPER MAKERS

The Cost Association of the paper industry will hold its annual convention at Holyoke, Mass., Nov. 9, 10, 11. The organization expects to gather statistics relative to costs in order to assist in economic production insofar as is possible. Opportunity will be given cost men in various branches to form separate groups for round table expense problem discussions.

Bamboo paper pulp may be on the market before another year, says a report from India. There are thousands of square miles of forest in Burma and India which contain bamboos and grasses capable of being made into paper. Experiments have been conducted and companies have been organized to develop the industry.

The Paper Manufacturers' Co., 526 Cherry st., Philadelphia, will build a new five-story mill at Fifth, Willow and Randolph sts. The construction work will cost about \$75,000. Francis A. O'Neill is president.

The Central Paper Co., Muskegon, Mich., is building a three-story addition to its mill on Richard st. E. J. Gaddes, secretary of the firm, says the cost will be \$200,000.

The Stone & Forsythe Co., 67 Kingston st., Boston, manufacturing paper products, is building an addition to its mill on Spring st., Everett, Mass.

The Tri-State Pulp and Paper Co., High Bridge, N. J., has increased its capital from \$800,000 to \$13,200,000.

Trade Tips for Sellers

The Hydro United Tire Co.'s plant at Pottstown, Pa., has been reopened by John P. Hill, receiver. The daily output is 600 tires.

Directors of the Eastern Manufacturing Co., makers of pulp and paper, elected Stuart W. Webb president, following the resignation of F. R. Ayer.

The Howard Smith Paper Mills, Inc., will erect a plant in which it will make its own bleached soda pulp. The new plant will have a capacity of 15,000 tons annually.

The Tidewater Glass Co., Jacksonville, Fla., has awarded a general contract to Frank Richardson, Jacksonville, for a new plant estimated to cost \$150,000, including machinery installation.

Plate glass prices have risen 33 per cent in two months due to higher cost of labor and fuel, coupled with the rail strike and freight embargos. Stocks are low and demand is reported good.

A new company has been organized to operate a silk mill in Lehigh, Pa. Robert L. Bohman was instrumental in forming the firm. A site will be selected at once and work on the plant rushed.

The Zenor Bottle Co., Fort Smith, Ark., recently incorporated with a capital of \$50,000, is planning the installation of new operating equipment. C. P. Zenor is president and James B. McDonough vice-president.

The Clark Knitting Co., Warren, Ohio, recently organized, will begin to make mercerized hosiery at its new plant within sixty days. R. E. Jones is president and E. E. Clark secretary and general manager of the concern.

The Fall Mfg. Co. is erecting a new cotton and cord factory at Granite Falls, N. C., which will be managed by the Fall company, under the name Southern Mfg. Co. D. H. Warlick is secretary and treasurer of the Fall Mfg. Co.

The Goodyear Tire & Rubber Co., Akron, O., has resumed operations at its Ford tire plant following a recent shutdown. The Republic Rubber Co., Youngstown, O., and the Dayton Rubber Mfg. Co., Dayton, O., have increased production.

J. Spaulding & Sons Co., 484 Broome st., New York, have plans for the erection of additional plant buildings at its fibre works on Wheeler street, Tonawanda, N. Y., to supplement structures now nearing completion. With machinery installation the work is estimated to cost about \$150,000.

The Southwell Wool Combing Corp., North Chelmsford, Mass., has organized under state laws with capital of \$150,000. The concern will scour, card and comb wool in the building formerly occupied by the Lowell Textile Co. Jacob Reed, Worcester, Mass., is president, and James Southwell is vice president, treasurer and general manager.

Paper pulp import duties have been trebled by the French Government, according to a decree issued Sept. 22. Exemption from the increased rates have been made in the case of goods to be used in the printing of newspapers, periodicals or books. These goods must be as follows: Paper other than fancy paper, machine made, and weighing more than 30 grams per square meter; fancy paper coated in white.

The Foreign Markets

Imports of Drugs and Chemicals, page 1159

OPIMUM AND ACETONE ADVANCED

Codliver Oil, Castor Oil and Quicksilver Lower—Citric and Tartaric Acids and Potassium Bromide Easier—Oil Camphor, Eucalyptus, Mint Oil and Caustic Potash Firmer

(Special Cable to DRUG & CHEMICAL MARKETS)

London, Nov. 1.—Prices are steadier in the fine chemical and crude drug markets, this week. Advances are announced on opium, acetone, foenugreek seed and shellac.

Oil camphor, eucalyptus, mint oil and caustic potash are firmer.

Citric acid, potassium bromide and tartaric acid are easier.

English castor oil, codliver oil and quicksilver are lower.

London, Oct. 23 (By Mail)—The further depreciation in foreign exchange values, especially German, adds weekly to the depression which has characterised the export markets for so long, and while the home trade is a trifle more cheerful, there is little inducement to hold any more Drug Auctions this year, and the next date is early in January. Out of the large lists issued only a few lots, mainly market articles, were disposed of. A new feature was the offering of two cases of soda bromide put forward as part of a larger parcel "to arrive" from Holland. Sennas were neglected, Ipecac Rio was firmer to dearer, rhubarb sold rather readily, and Zanzibar chillies were lower. Honey was in good supply and fetched fairly full prices for about 250 packages. There was no call for Cape aloes but Curacao sold more freely. In the open markets Zanzibar cloves were dearer while chloral hydrate and quicksilver have been offering somewhat lower. Cod liver oil is lower again, and bids for 1922 finest Norwegian are solicited at 88s c. i. f. per 25-gallon barrel; 1921 quality is available on spot at 82s.

Zanzibar cloves are dearer owing to diminished stocks and sales have been made up to 1s 5d per lb. Forward shipment to the end of the year 7½d c. i. f.

Citric acid continues a weak market and business would be possible at, to under, 2s per lb.

Beta naphthol, technical—After a long period of depression mainly due to German consignments last year this useful product is recovering, it being reported that stocks of foreign makes have now been cleared. Manufacturers report that they are now easily obtaining 1s 2½d per lb—which is still unprofitable business to them—as against 9d and 10d per lb in recent months from second hands.

Eucalyptus oil is firmer and as the winter season approaches will probably go higher as stocks are none too plentiful. High testing quality costs 1s 5½d to 1s 6½d per lb as to brand and Cineol content.

Menthol is a shade firmer at 32s per lb for best brands. Present shipment 27s 6d c. i. f.

Sugar of milk is now obtainable at 105s per cwt, being easier.

Zanzibar chillies are cheaper at 122s 6d to 127s 6d per cwt. Mustard seed, English, is now fetching 32s 6d to 37s 6d per cwt.

Phenacetin can be obtained round about 4s 6d per lb, which is cheaper.

FOREIGN EXCHANGE

	Par.	Current
Great Britain (pound sterling).....	\$4.886	\$4.460
France (franc).....	.193	.070
Italy (lira).....	.193	.040
Germany (mark) per hundred.....	23.80	.026
Czechoslovakia (crown) per hundred.....	20.30	.031
Poland (mark) per hundred.....	23.80	.007
Japan (yen).....	.499	.481
Spain (peseta).....	.133	.152
Holland (guilder).....	.402	.389
Belgium (franc).....	.196	.065
Norway (crown).....	.268	.179
Switzerland (franc).....	.193	.180
Sweden (crown).....	.268	.267
Denmark (crown).....	.268	.200
Argentina (peso).....	.424	.355
Brazil (milreis).....	.279	.115
China (Silver dollar—Hongkong).....	.789	.552
(Tael—Shanghai, silver).....	1.082	.737
(Tael—Peking, silver).....	1.156	.775

Permanganate of potash is a good market at 8d per lb.

Chloral hydrate would appear to be worth attention at the lower figure of 4s 4d per lb duty paid.

Phenazone is quietly firm at 7s per lb to over as to quantity.

Ipecacuanha is firm. Rio of fair quality commands 7s per lb and Cartagena is held for 7s 6d.

Sennas—The parcels up for sale were of ordinary quality and the usual grades may be quoted as follows:

Small to medium yellowish 2¼d to 2½d per lb; medium to bold greenish 5¼d per lb; pods 2¼d to 2¾d per lb.

TESTING BOLL WEEVIL EXTERMINATOR

Smethurst & Meade of Manchester, England, have placed on the market an insecticide, non-arsenical and non-poisonous to human beings and animals. Unlike calcium arsenate, it can be applied to growing cotton under any weather conditions and does not require being brought into solution before it exerts its effects. Investigations are being made in England by Professor Todd, of the Cotton Research Association. It is claimed that the powder is effective against the boll weevil and the pink worm and cup worm parasites of the Egyptian and Indian cotton fields. Extensive trials are being made in the United States in the cotton growing lands of the Delta and Pinelands Co.

Venezuelan balata gum gatherers earn 414 bolivars per year and spend 750 earning them, according to an official Department of Commerce report. The cost of production is evidently far out of proportion with the price which the product commands and, as the announcement says, the workers get less than nothing for their labors.

Candelilla wax production around Saltillo, Mex., has fallen off since the end of the war, according to a report issued by the U. S. consul stationed there. It is understood that European interests are considering reviving the industry and contracting for the entire output.

The Mexican Candelilla Wax Co., Torreon, Mex., and several other candelilla manufacturing plants in the States of Coahuila and Nuevo Leon, have resumed operations after a shutdown of several years.

AID FOR COMPANIES TRADING IN CHINA

Regulations for carrying out the provisions of the China Trade Act, approved by the President, Sept. 19, 1922, which is considered one of the most important measures from the standpoint of foreign trade promotion which Congress has enacted in years, were issued Oct. 26 by Secretary Hoover. Owing to special provisions by Great Britain, France, and Japan for firms and corporations operating in China, American establishments in the China trade have been suffering under a heavy handicap which is removed by the passage of the China Trade Act. The Act provides for exemption from federal income taxation of stock in corporations directly engaged in commerce in China, held by Chinese or American stockholders resident in China, provided the amount of money so exempted is distributed annually as a special dividend to such stockholders.

To obtain the benefits of the Act firms must be organized as District of Columbia organizations, with the specific purpose of trading in China. Acting Commercial Attache Frank Rhea, Peking, has been designated by Secretary Hoover as Registrar under the terms of the Act and F. R. Eldridge, chief of the Far Eastern Division of the Department of Commerce, as assistant registrar. Application for registration should be addressed to The Assistant Registrar, China Trade Act, Department of Commerce, Washington, D. C.

SWISS CHEMICAL IMPORTS DECREASE

Swiss chemical imports for the first six months of 1922 showed decreases compared with the imports for the same period during 1921, according to the "Anglo-Swiss Review."

The figures for the two years were as follows: calcium chloride, 146 tons, against 320; hydrochloric acid, 667 tons, against 1,363; sulfuric acid, 1,318 tons, against 3,309, and aluminum sulfate 651 tons, against 7,715. There were increases in imports of sulfur from 690 tons to 2,092 tons, and of potash and caustic soda from 1,123 tons to 3,046 tons. Imports of benzene increased from 15,850 to 18,073 tons; aniline from 58 to 508 tons; and starch and starchy materials from 1,504 to 2,003 tons. The decrease in the import of accessory materials for the manufacture of aniline colors, is noteworthy, 509 tons against 1,351. Imports of soap decreased from 2,336 to 809 tons. There were, however, considerable increases in imports of coconut and palm oil 1,128 tons against 465; tallow and bone fat, 992 tons against 621.

There was an increase in exports of perfumery, 459 tons against 100; soda 242 tons against 166, and indigo 1,350 tons in January-June of the present year, compared with only 49 tons within the first half of 1921.

A plant for the manufacture of liquid chlorine is under construction by the Canadian Salt Co. at Windsor, Ontario. This is the first plant of its kind to be erected in Canada and will have a capacity of ten tons a day.

Foreign Trade Opportunities

The Department of Commerce, Washington, D. C., has received the following inquiries for drugs, chemicals and accessories. Reserved addresses may be obtained from the Bureau and its district and cooperative offices. Request for each opportunity should be on a separate sheet and state opportunity number. The Bureau does not furnish credit ratings or assume responsibility as to the standing of foreign inquirers; the usual precautions should be taken in all cases.

4037—Linseed oil.—Italy. Agency desired.

4044—Chemical oils.—Sweden. Agency desired. Quotations c. i. f. Swedish port or Drontheim, Norway. Terms, cash against documents.

4066—Sodium salts, potassium salts, antimony salts and glycerin.—Colombia. Agency desired.

GERMANY'S PRODUCTION OF NITRATES ALMOST DOUBLE THE PRE-WAR OUTPUT

Colossal Total of Fixed Nitrogen Available for Explosives and Fertilizers Will Make Her Independent of Other Countries—Dr. August Mueller's Criticism of Plan To Buy Chilean Saltpetre

Dr. August Mueller, German socialist and former member of the Cabinet, criticised Prussia's proposition for wholesale deliveries of Chilean saltpetre in a statement made in Berlin last week. Dr. Mueller said that Germany was producing 85 per cent more nitrogen than in pre-war years, the output this year amounting to 340,000 tons.

Dr. Mueller's statement says that large agriculturists who are obliged to deliver grain to the Government already have sufficient fertilizer; that small and medium-sized farms either do not use artificial fertilizer or are not in a position to take advantage of the proposed offer; and that the prices of nitrogen produced in Germany probably would be forced down and the domestic product might have to be exported. Dr. Mueller declares that if the large agrarians accepted the Chilean products it would probably be only as a matter of speculation, with the expectation of reselling it at a profit.

Dr. Mueller says the Prussian scheme reckons that 15 kilograms of nitrogen is available for each hectare of grain land, or less than half the amount ordinarily required. By the importation of 1,000,000 tons of Chilean saltpetre, according to this plan, the deficiency in clear nitrogen would be supplied and the grain production would be increased from 2,500,000 to 3,000,000 tons.

It is contended, however, by Dr. Mueller that in giving 400 kilograms of saltpetre in exchange for every ton of grain, as the plan contemplates, the Government would be obliged to pay more than at the present time for the requisitioned grain.

Dr. Mueller says the Prussian scheme reckons that October and says that since the price of Chilean saltpetre depends on the dollar rate of exchange, the increased cost to the Government at the present time would be still higher. He says 1,000,000 tons of Chilean saltpetre today would cost about 160,000,000 marks and that the Government consequently would have to pay approximately 70,000 marks for a ton of requisitioned grain, assuming that the price of grain should not rise.

The output of platinum and the incidental production of gold in all the Ural mines from January to July 15 amounted to 700 pounds of platinum and 158 pounds of gold. Iridium to the amount of 111 grains was recovered. Since July the provisioning and the financial condition of the mines have improved which has favorably affected production. Up to July 1 production was considerably below the program, whereas the July program was exceeded by 30 per cent.

Reports from England state that there has been a little improvement in the demand for heavy chemicals for home consumption during the month, but export business remains very unsatisfactory, though there has been a slight increase in shipments to the Colonies and India. Prices have been fairly steady, but are showing a tendency to go to lower levels. Competition from Germany does not appear so dangerous since prices in that country have been advanced.

The Norwegian Nitrogen Products Co., Inc., New York, direct importers of the products of Norsk Hydro Elektrisk Kvaestofaktieselskab of Christiania, Norway, will distribute their products immediately after Oct. 24, 1922.

Prices Current of Fine and Heavy Chemicals, Drugs, Essential Oils, Dyestuffs and Oils

CLASSIFICATION—Prices quoted herein are listed in the following groups: Chemicals, including heavy and technical chemicals, fine and medicinal chemicals, aromatic chemicals and isolates, crudes and intermediates from coal-tar, various fine alkaloids, and miscellaneous products; Crude Drugs; Essential Oils, including oleoresins; Fatty Oils, including Animal, Vegetable and Fish Oils, Greases, Fats, and Tallow; Tanning and Dye Extracts, including miscellaneous natural tanning woods, extracts, etc. All groups are arranged in straight alphabetical order.

PACKAGES—Prices are for large quantities in original packages of the customary trading units of weight or measure. A container given in connection with a price does not necessarily mean that this is the quantity on which the price is based. Containers named are the original packages most commonly sold in this market.

QUOTATIONS—Chemical prices quoted herein are those of American manufacturers unless otherwise specified. Quotations on imported chemicals are so designated. Where resale or "second hand" stocks of any chemical product are sufficient to be considered a factor in determining the market, prices for goods in this class will be quoted in addition to makers' prices when available, and indicated as such. Chemical prices quoted

herein are for goods spot New York or Metropolitan District, f. o. b. or ex-store, for immediate shipment, unless otherwise specified. Numerous domestic-made heavy or industrial chemical products are sold principally on a basis of f.o.b. works, and are thus quoted in the list herein, each instance of a "works" price, however, being specified as such.

Fatty Oil prices quoted herein are for goods spot New York unless otherwise noted; f. o. b. mills and Coast prices being designated as such. Crude Drugs and Essential Oils are quoted f. o. b. New York (Manhattan with limitations) for immediate shipment. Tanning and Dye Extracts are quoted spot New York unless otherwise noted.

WEIGHTS AND MEASURES—All quotations are made on a basis of avoirdupois pounds and ounces, and American gallons. The following equivalents are given for the reference of exporters, importers, and foreign buyers:

1 Imperial Gallon (British)	—1.20 American Gallons
1 American Gallon	— .833 Imperial Gallon
1 American Gallon	—3.79 Liters
1 Liter	— .264 American Gallon
1 American Gallon (Water)	—8.35 pounds
1 Pound (Avoirdupois)	— .454 Kilograms
1 Kilogram	—2.20 Pounds

Style and Arrangement Copyright by DRUG & CHEMICAL MARKETS, 1922

Chemicals

ACETANILID, tech 150 lb bbls. D	.35	.36
100 lb kgs. ....	.36	.37
USP 200 lb bbls. ....	.30	.32
Acetic Anhydride, 85% 450 lb drs. D	...	.37
85%, 107 lb chys. ....	...	.40
90% chys. ....	...	.39
Acetone, CP 700 lb drs. c/l wks. D	...	.10
700 lb drs. le/l wks. ....	...	.10 1/2
350 lb drs. le/l wks. ....	...	.10 1/2
Second Hands, spot. ....	.19	.19 1/2
Acetophenone, CP 1 lb bot.	4.00	4.25
Acetophenol, 150 lb bbls.	1.85	1.95
Acetyl Chloride, 100 lb chys. D	...	.35
ACID 1, 2, 4, 250 lb bbls. D	...	.30
Acetic, 35%, 400 lb bbls. c/l	...	...
28% wks.	2.92 1/2	3.00
28% le/l wks.	3.17 1/2	3.25
50% c/l wks.	5.85	6.00
50% le/l wks.	6.50	6.60
70% bbls. c/l wks.	7.31	7.52
70% le/l wks.	8.06	8.14
80% coml. bbls. c/l wks.	8.35	8.61
80% coml. le/l wks.	9.10	9.36
80% pure bbls. c/l wks. ....	...	9.80
80% pure le/l wks.	10.10	11.50
Glacial, bbls. c/l wks. ....	...	11.16
Glacial le/l wks. ....	...	11.91
Glacial, USP chys wks. ....	...	13.50
Acetylaldehyde, 200 lb bbls. D	...	.95
Second Hands. ....	.85	.88
Ammonia, ton lots drs. ....	...	1.10
95-98%, 100 lb drs. ....	...	1.15
99-100%, 100 lb drs. ....	...	1.30
Benzene, tech. 100 lb bbls. D	...	.55
Tech. ton lots bbls. ....	...	.50
USP, 100 lb bbls. ....	.68	.72
Boric, crys. powd, 250 lb bbls. D	.11 1/2	.12
Kep. 100 lb bbls. ....	.12	.12 1/2
Bremer's, 250 lb bbls. ....	...	1.85
Butyric, 60% pure 5 lb bot. D	.50	.60
Camphoric, USP VIII 1 lb bot. D	5.10	5.35
Carbolic, USP crys. see also Phenol	...	...
110 lb tin. ....	...	.27
25 lb tin. ....	...	.39
5 lb tin. at bot. ....	.41	.42
1 lb bot. ....	...	.46
Liquid, USP 1 lb bot. ....	...	.45

ACID, Carbolic—(Continued)	...	...
Crude, 25% 50 gal bbls. gal	.27	.30
10%, 50 gal bbls. gal	.23	.23
Chloracetic, mono 100 lb bbls. wks. D	.40	.50
Di, 150 lb chys wks. D	...	1.00
Tri, 425 lb bbls. wks. D	...	2.45
Chlorosulfonic, 1500 lb drs. wks. ....	.15	.16
Chromic, USP 200 lb drums. D	...	.40
85% Pure, 200 lb drums. D	...	.35
Chrysanthic, see Chrysanthol	...	...
Cinnamic, 5 lb cans.	2.75	3.00
CITRIC, USP crys 230 lb bbls. D	...	.50
Powd., USP 200 lb bbls. D	...	.51
Imported, crys 112 lb kgs. D	...	.50
Single kgs. ....	.50 1/2	.51
Cleves, 250 lb bbls.	1.50	1.54
Cresylic, 95% dark dr. wks. gal	.55	.57
97-99% straw, drs. wks. gal	.60	.62
97-99% straw, drs. resale gal	.75	.90
97-99% decolor, drs. wks. gal	.80	.82
Formic, 75% tech. 100 lb chys. D	.18	.17
90%, 75 lb chys. incl. ....	.16	.18
Gallie, USP 150 lb bbls. ....	.70	.75
Gamma, 225 lb bbls. wks. ....	...	1.85
Bbls., ton lots wks. ....	...	1.75
Glycerophosphoric, 25% 1 lb b. D	1.85	1.70
H. 350 lb bbls. single. ....	...	.75
Bbls. ton lots wks. ....	...	.60
Hydroiodic, 10% USP 5 lb bot. D	...	.65
Hydrobromic, 48% coml. 155 lb chys. wks. ....	...	.38
48% coml. 10 chys. wks. D	...	.36
40% CP 155 lb chys. wks. D	.45	.45
10% USP 100 lb chys. wks. D	.11	.13
Hydrochloric, see also Acid Muriatic	...	...
CP, USP, 110 lb chys. ....	.07	.09
HYDROFLUORIC, 30% 400 lb bbls. wks. ....	...	.60
30% bbls. c/l wks. ....	...	.65
30% 100 lb chys. wks. D	...	.60 1/2
48% single 100 lb chys. wks. D	...	.11
48% 10 chys. wks. ....	...	.10
52% 100 lb chys. wks. ....	...	.12
52% 10 chys. wks. ....	...	.11

Acid, hydrofluoric—(continued)	...	...
80% 100 lb chys. wks. D	...	.14
60% 300 lb drs. wks. D	...	.13
White Acid, 100 lb chys. wks. D	...	.30
White Acid, 10 chys. wks. D	...	.35
Hydrofluosilicic, 35% 450 lb bbls. wks. ....	.10	.13
Hypophosphorous, USP 30% 5 gal. demis. ....	...	.95
USP, 10% 5 gal. demis. ....	...	.35
LACTIC, 22% dark 500 lb bbls. D	...	.04 1/2
23% light, bbls. ....	...	.05 1/2
44% dark, bbls. ....	...	.09 1/2
44% light, bbls. ....	...	.10 1/2
66% bbls. ....	...	.10
80% imported, bbls. ....	...	.14 1/2
USP IX 100 lb chys. ....	.60	.70
USP VIII 100 lb chys. ....	...	.55
Laurent's, 250 lb bbls. ....	.75	.90
Metanilic, 250 lb bbls. ....	...	1.00
Mixed, sulfuric-nitric	...	...
Drums, wks.	N Unit	.08
Drums, wks.	S Unit	.01
Tank cars, wks.	N Unit	.07 1/2
Tank cars wks.	S Unit	.009
Molybdic, 85% pure 1 lb bot. D	...	1.75
85% pure, 100 lb kgs. ....	...	1.20
Monosulfonic F, Delta. 50 lb tin. ....	...	2.30
MURIATIC, 20° chys. le/l	...	...
wks.	100 lb	1.20
Chys. c/l wks.	100 lb	1.10
Tank cars, wks.	100 lb	.90
13° 140 lb chys. c/l wks.	100 lb	1.10
Tank cars, wks.	100 lb	.90
22° 140 lb chys. c/l wks.	100 lb	1.50
Iron, free, 20° chys. c/l wks.	100 lb	1.35
Tank cars, wks.	net ton 20.00	25.00
Muriatic, CP & USP, see Acid Hydrochloric	...	...
Naphthalene, tech. 550 lb bbls. D60
Refined, single bbls.60
Neville & Winter's, 250 lb bbls.	1.15	1.30

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Chemicals

NITRIC, 36° 135b chy.

wks.100b	5.50	: 6.15
Chys. c/l wks.100b	4.50	: 5.25
36° single chy.100b	5.65	: 6.55
Chys. c/l wks. ....100b	5.00	: 5.65
40° Single chy. ....100b	6.50	: 7.15
Chys. c/l wks. ....100b	5.25	: 6.25
42° Single chy. ....100b	7.25	: 7.90
Chys. c/l wks. ....100b	5.50	: 7.00
C. P. chy. single wks. ....100b	...	: 13.00
Oxalic, 325b bbls. ....100b	.14	: .15
Bbls. NY	...	: .15 1/4
Keps, 100b	.15	: .15 1/4
Imp., 560b csks. ....100b	.14	: .15
Phenylactic, 1b bot. ....100b	2.50	: 3.00
Phosphoric, 50% tech. 100b chy.	.08	: .09
USP, 35% syrupy, 70b demis	.16	: .17
Phthalic, 100b bbls. ....100b	...	: .15 1/4
Picramic, 300b bbls. ....100b	...	: .65
Picric, 300b bbls. ....100b	...	: .30
Bbls. car lots wks. ....100b	...	: .20
Pyrogallie, crys. 5b cans. ....100b	1.15	: 1.20
Resublimed, 5b cans. ....100b	1.55	: 1.60
Tech. powd. 200b bbls. ....100b	...	: .30
Salicylic, tech. 125b bbls. ....100b	.32	: .33
USP, 100b bbls. ....100b	...	: .35
Second Hands	.33	: .35
Sulfanilic, 250b bbls. ....100b	.17	: .19

SULFURIC, 66° 175b chy.

lc/l wks. ....100b	1.10	: 1.50
Chys. c/l wks. ....100b	.95	: 1.25
1500b Drums, lc/l	...	: 1.10
wks. ....100b	...	: 1.00
Drums, c/l wks. ....100b	...	: 15.00
Tank cars, wks. ....net ton	14.00	: 15.00
60° 1500b Drums, lc/l wks. ....100b	.70	: .90
Drums, c/l wks. ....100b	.60	: .80

Acid Sulfuric

Tank cars, wks. ....net ton	9.00	: 11.00
C. P. 175b chys. ....100b	...	: 8.00
Oleum, 20 p.c. 1500b drums, lc/l wks. ....100b	1.25	: 1.50
Drums, c/l wks. ....100b	1.10	: 1.25
Tank Cars, wks. ....net ton	17.00	: 18.00
Contract cars, wks. ....ton	17.00	: 18.00
Oleum, 40° drs lc/l wks. ....net ton	...	: 35.00
Oleum, 60° drs, lc/l wks. ....ton	...	: 65.00
Sulfurous, USP 6% 100b chys. ....100b	.05	: .06
4% 100b chys. ....100b	.04	: .05
USP, 5 gal. demis. ....100b	.06	: .08
Tannic, tech. 300b bbls. ....100b	.40	: .50
USP, powd. 200b bbls. ....100b	.70	: .75
USP, fluffy, 50b bbls. ....100b	.75	: .80
Tartaric USP cryst 300b bbls. ....100b	...	: .32
USP, powd. 300b bbls. ....100b	...	: .32
Imp. USP 240b bbls. ....100b	.30	: .31
Powd. 240b bbls. ....100b	.30	: .31
Tobias, 250b bbls. ....100b	1.50	: 1.55
Tungstic, 100b kgs. ....100b	...	: 1.00
Aconitine Alk. cryst. 1 oz. vis. ....oz	...	: 30.00
Amorphous, 1 oz. vis. ....oz	...	: 20.00
Adeps Lanac, hydrous 350b bbls. ....100b	.18	: .20
Anhydrous, 350b bbls. ....100b	.22	: .24
ALCOHOL, USP 190 pf. 50 gal. bbls. ....100b	4.70	: 4.75
Second Hands, bbls. USP 190 pf. ....100b	4.60	: 4.65
Export, USP 190 pf. ....100b	.35	: .40
Cologne Spirit, 50 gal. bbls. ....100b	4.75	: 4.80
Wood, 95% 50 gal. bbls. ....100b	.95	: .97
97%, 50 gal. bbls. ....100b	.98	: .99
Pure, meth. 50 gal. drums. ....100b	1.05	: 1.07
Acetone free, 50 gal. drums. ....100b	1.10	: 1.15
Alcohols, also in 50 gal. drums, extra and returnable.	...	: ...
Amyl, see Oil Fuel	...	: ...

Alcohol—(continued)

Butyl, 50 gal. drums. ....100b	.20	: .22
Cinnamic, liquid, 1b bot. ....100b	15.00	: 16.00
Crystallizable	24.00	: 25.00
Isobutyl, crude 50 gal. drums. ....100b	...	: 4.40
Refined, 10b can. ....100b	...	: .75
Isopropyl, crude 50 gal. drs. ....100b	...	: 2.25
Refined, 50 gal. drs. ....100b	4.00	: 4.50
Ref'd, 91%, drs. ....100b	...	: 3.50
Methyl, see Alcohol, Wood	...	: ...
Phenylethyl, see Phenylethylalcohol	...	: ...
Propyl, nml. crd 50 gal. drs. ....100b	...	: 4.40
Refined, 10b can. ....100b	...	: .75
Denatured	...	: ...
No. 1 Complete Denat. 188 Proof	...	: ...
50 gal. bbls. incl. ....gal	.41	: .42
50 gal. drums, extra. ....gal	.36	: .38
No. 1 Special Denat. 190 Proof	...	: ...
50 gal. bbls. incl. ....gal	.38	: .40
50 gal. drums, extra. ....gal	.33	: .35
No. 5 Complete Denat. 188 Proof	...	: ...
50 gal. bbls. incl. ....gal	.38	: .40
50 gal. drums, extra. ....gal	.33	: .35
No. 6 Complete Denat. 188 Proof	...	: ...
50 gal. bbls. incl. ....gal	.37	: .39
50 gal. drums, extra. ....gal	.32	: .34

In addition to the regular authorized formulae for completely denatured alcohol, some 75 formulae for specially denatured alcohol are authorized for special uses. Owing to the limitations of their uses however, prices are quoted by the alcohol producers only to holders of permits allowing the use of specially denatured formulae in products authorized by the Dept. of Internal Revenue. For prices on specially denatured alcohols not listed above, consult any of the alcohol producers.



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Chemicals

Aloin, USP 100 lb cases.....lb			.84	: .90
Alpha-Naphthol, tech 300 lb bbls. lb			...	: 1.05
Ton lots, bbls. wks.....lb			...	: 1.00
Refined, 300 lb bbls.....lb			...	: 1.10
Alpha-Naphthylamine, 350 lb bbls. lb			...	: .32
Ton lots, bbls. wks.....lb			...	: .30
ALUM, Ammonia, lump 400 lb bbls.				
wks. ....100 lb			...	: 3.50
Ground, 400 lb bbls. wks. 100 lb			3.50	: 3.65
Powd., 380 lb bbls. wks. 100 lb			...	: 3.90
Chrome, 500 lb cks wks. 100 lb			5.00	: 6.00
Potash, lump 400 lb bbls.				
wks. ....100 lb			...	: 4.50
Bbls. c/l wks.....100 lb			...	: 4.25
Cont. bbls c/l wks.....100 lb			...	: 4.35
Imp. 650 lb casks sp. 100 lb			3.50	: 3.75
Ground, 400 lb bbls. wks. 100 lb			4.35	: 4.60
Powd., 380 lb bbls. wks. 100 lb			4.50	: 4.75
Chrome, 700 lb cks wks. 100 lb			5.50	: 6.00
Soda, grd. 400 lb bbls. wks. 100 lb			...	: 4.00
Bbls. c/l wks.....100 lb			...	: 2.50
Aluminum, metal, c/l NY...100 lb			20.00	: 21.00
Chloride, anhyd. 275 lb drs. lb			.20	: .22
30% sol. 120 lb clys. ....lb			.03½	: .04
Hydrate, light 90 lb bbls. ....lb			.17	: .18
SULFATE, Iron-free bags c/l				
wks. ....100 lb			...	: 2.50
Imported, spot .....100 lb			2.50	: 2.62½
Comm'l., ¾% iron, bags c/l				
wks. ....East 100 lb			1.40	: 1.50
Aluminum Sulfate—(continued)				
Cont. bgs. c/l wks. E. 100 lb			...	: 1.40
Bags, c/l wks. W....100 lb			...	: 1.35
Bbls., c/l wks. East. 100 lb			...	: 1.55
Bulk, c/l cont. wks. E. 100 lb			...	: 1.35
Amidol, (see Diaminophenol)				
Amidopyrine, 10 lb boxes.....lb			5.00	: 5.10
1 lb cartons, 10 lb boxes.....lb			...	: 5.16
Aminobenzene, 110 lb kgs.....lb			...	: 1.15
AMMONIA anhyd. 100 lb cyl. lb			...	: .30
Water, 26° 800 lb drs. wks. lb			...	: .07½
Drs. c/l wks.....lb			.07	: .07½
Imp., 800 lb drs incl spot. lb			...	: .06
26°, 100 lb clys. lc/l wks. lb			...	: .08½
Clys. c/l wks.....lb			...	: .08½
20°, 800 lb drs. lc/l wks. lb			...	: .06
Clys., lc/l wks.....lb			...	: .07½
18°, 800 lb drs. lc/l wks. lb			...	: .05½
Clys., lc/l wks.....lb			...	: .07½
16°, 800 lb drs. lc/l wks. lb			...	: .04
Clys., lc/l wks.....lb			...	: .05
Ammonium Acetate, 100 lb kegs. lb			.35	: .36
Benzonate, USP 1 lb bot.....lb			.85	: .90
Bifluoride, 300 lb bbls.....lb			.22	: .23
100 lb kegs .....lb			.23	: .24
Bromide, 50 lb boxes.....lb			...	: .33
Imported, 112 lb boxes.....lb			.18	: .20
Carb., tech. 560 lb casks.....lb			...	: .09½
Powd., tech. 385 lb bbls. lb			...	: .10½
USP, lump, 100 lb kegs. lb			.07	: .08
Powd., 100 lb kegs.....lb			.09	: .10
Chloride, Domestic				
White gran. 250 lb bbls wks lb			...	: .07½
Bbls., c/l wks.....lb			...	: .07½
Gray 250 lb bbls. wks.....lb			.07½	: .07½
Bbls. c/l wks.....lb			.07½	: .07½
Ammonium Chloride—(continued)				
Imp., wh. 600 lb casks spot. lb			.06½	: .06½
Gray, 600 lb casks spot. lb			.08	: .08½
Lump, 500 lb casks spot. ....lb			...	: .15
Ichthyolate, as to brand.....lb			.75	: 4.00
Iodide, USP 25 lb jars.....lb			4.85	: 4.90
Lactate, 500 lb bbls.....lb			.15	: .16
Nitrate, tech. crys. 225 lb bbls. lb			.05½	: .06
CP gran. 100 lb kegs.....lb			.10	: .22
Oxalate, pure, 100 lb kegs.....lb			.50	: .57
Persulfate, 112 lb cases.....lb			.55	: .60
Phosphate, dibasic 200 lb bbls. lb			.54	: .60
Tech., powd. 325 lb bbls.....lb			.15	: .17
Salicylate, USP 100 lb kegs. lb			.58	: .61
Sulfate, bulk c/l wks....100 lb			...	: 3.20
200 lb single bgs c/l wks. 100 lb			...	: 3.30
200 lb double bags f.a.s. 100 lb			...	: 3.55
Sulfocyanide, tech. 100 lb kgs. lb			.50	: .52
CP. 25 lb jars.....lb			.60	: .65
Amyl Acetate, tech 50 gal drs. gal			2.00	: 2.25
Pure, 5 gal. cans.....gal			5.00	: 6.00
Alcohol, see Fusel Oil				
Butyrate, 1 lb bot.....lb			1.65	: 2.00
Formate, 1 lb bot.....lb			1.75	: 2.00
Salicylate, 100 lb clys.....lb			1.25	: 1.40
Anethol, 2 lb bot.....lb			2.00	: 2.25
ANILINE OIL, 900 lb drs. 5 dr. sp. lb			.16	: .17
Aniline Salt, 200 lb bbls.....lb			.20	: .24
Anisic Aldehyde, 1 lb bot.....lb			4.00	: 4.50
Anthracene, 40-45% 600 lb casks				
wks. ....lb			.12	: .17
80-85%, 600 lb casks wks.....lb			.75	: 1.00
Anthraquinone, subl 125 lb bbls. lb			1.30	: 1.35
30% paste 350 lb bbls.....lb			.75	: .80
Antimony metal, slabs ton lots 100 lb			...	: 7.00
Needle Powd., 100 lb cases.....lb			.06	: .06½

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MARK

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Last year the use of Carbon Tetrachloride as a fumigant against wheat weevil was introduced. This material is particularly desirable as it is absolutely non-inflammable and can be used in sections where Underwriters' rules will not permit the use of Carbon Bisulphide.

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Chemicals

ANTIMONY CHLORIDE, anhyd 1000D			Benzaldehyde, tech. 945D drs.			Bismuth—(continued)		
dra.	D	.35	whs.	D	.55	Subnitrate, USP 250 bbls.	D	2.85
50D crocks.	D	.50	USP, 25D cans.	D	1.75	Second Hands, bbls. or less. D	2.45	2.50
Sol'n. 130D carboys.	D	.13	FFC, 25D cans.	D	2.50	Cones, 1D bot.	D	3.65
Oxide, 500D bbls.	D	.08%	BENZENE, 90% 8000 gal. tanks			Subsulfate, USP 175 bbls. D		2.78
Sulfide, golden 500D bbls.	D	.16	whs.	gal	.27	Tannate 1D bot.	D	2.50
336D kegs.	D	.18	110 gal. dra. whs.	gal	.32	Bismuth Preparations quoted		
Crimson, 500D bbls.	D	.35	CP Tanks, whs.	gal	.30	above on basis 25D lots		
336D kegs.	D	.37	110 gal. dra. whs.	gal	.35	Smaller lots at an advance.		
Red, 500D bbls.	D	.40	Benzidine Base, dry 250D bbls. D		.87	Blanc Fixe, dry 400D bbls. wks. ton	80.00	85.00
336D kegs.	D	.41	10 bbl. lots.	D	.95	Imported, bbls.	ton	...
Tartroacetate, 500D bbls.	D	.45	Benzidine Sulfate, paste 350D			Paste, 650D bbls.	ton	40.00
Antipyrine, USP, 100D cases.	D	2.25	bbls.	D	.70	BLEACHING POWDER, 700D dra.		
Apomorphine Hydrochloride, 1/4 oz. vis. oz.	os	16.65				c/l whs.	100D	2.00
Arecoline Hydrobromide, 1 oz. vis. os	os	12.00	Benzol, see Benzene			Drums l/c/ ex-warehouse.	100D	2.25
Argols, red powd. 350D bbls.	D	.07	Benzonaphthol, 5D boxes.	D	2.00	Contract, c/l whs.	100D	2.00
Arsenic, metal 220D kegs.	D	.23	Benzoyl Chloride, 500D dra.	D	1.00	F. & S. c/l.	100D	...
Red, 224D kegs cases.	D	.12	Benzyl Acetate, 100D chys.	D	1.15	Imported, spot.	100D	...
White, 550D bbls l/c/	D	.11	Alcohol, 5D bot.	D	1.25	Blue Ointment, see Mercury		
112D c/s.	D	.11	Benzoate, 5D bot.	D	1.40	Mass, see Mercury		
Aspirin, see Acid Acetylsalicylic			Medicinal FFC		1.60	Bone Ash, 100D kegs.	D	.10
Atropine Alk. USP 1 oz. vis. os	os	10.00	Chloride, 95% tech. 925D dra. D		.20	Black, 200D bbls.	D	.06
Sulfate, 5 oz. in 1 oz vis. os	os	4.50	100D chys.	D	.25	Borax, USP cryst. 400D bbls.	D	.05%
BARIUM BINOXIDE, see Barium dioxide			Redistill. 100D chys.	D	.35	Powdered, USP 300D bbls.	D	.05%
Carbonate, precip. 800D bbls.	ton	75.00	Formate, 1D bot.	D	2.50	Kegs, USP 100-150D.	D	.06
whs.	ton	75.00	Berberine Hydrochloride, 1D bot.	D	22.00	Borneol, 1D bot.	D	3.50
Imports, bbls. spot.	ton	70.00	Sulfate, acid or neut. 1D bot. D		21.00	Bromide, see potass. bromide, etc.		
Precip. 200D bgs. whs.	ton	70.00	BETA-NAPHTHOL, 350D bbls. wks. D		.24	Bromine, bot. in 60D ea. whs. D		.29
Chloride, 800D bbls. whs.	ton	100.00	ton lots, whs.	D	.24	Bromobenzene, 600D drums.	D	.40
200D bgs. whs.	ton	90.00	Sublimed	D	.50	Bromoform, USP 5D bot 50D ea. D		1.50
Import, bbls. spot.	ton	90.00	Beta-Naphthylamine, tech. 200D			Bromostyrol, 25D kegs.	D	3.50
Dioxide, 750D dra.	D	.18	bbls.	D	.95	Brucine Sulfate, 1 oz. vis. 100 os. os	D	.20
Import, 500D dra.	D	.18	Sublimed, 200D bbls.	D	1.50	Butter of Antimony, see Antimony Chloride		
Hydrate, 500D bbls.	D	.05	Bichloride Mercury, see Mercury Bichloride			CADMIUM, metal 100D bxs.	D	1.30
Iodide, 5D bot.	D	.510	BISMUTH metal, 150D cases. D		2.60	Bromide, 50D cases jars.	D	.95
Nitrate, 700D cans.	D	.09%	Ammon. Citrate, USP 5D bxs. D		5.45	Iodide, 10D bot.	D	4.20
Import, casks.	D	.08%	Betanaphtholate, 5D bxs.	D	3.10	CAFFEINE ALK. USP 5D cans. D		
Sulfocyanide 400D bbls.	D	.95	Citrate, USP 5D bxs.	D	2.75	Second Hands		3.75
Barytes, floated 350D bbls.	ton	35.50	Nitrate, 25D jars.	D	1.70	Hydrochloride, 1D bot.	D	7.12
Bay Rum, Porto Rican, genuine			Oxychloride, 250 bbls.	D	3.12	Sulfate, 1D bot.	D	5.52
Denat. salicy acid or tartar emetic			Phenolsulfonate, 5D cans.	D	2.90	Citrate, 25D cans.	D	3.00
45 gal. bbls.	gal	3.10	Salicylate, 250 bbls.	D	1.85	Hydrobromide, 1D bot.	D	4.75
Denat. quinine sulf. 45 gal.			Subbenzoate, 5D boxes.	D	3.05	CALCIUM Acetate, 150D bgs. c/l		
bbls.	gal	3.40	Subcarbonate, USP 250 bbls. D		3.00	whs.	100D	3.00
Domestic synthetic, 50 gal.			X-Ray diag. 1D bot.	D	3.35	Arsenate, 100D bbls c/l whs. D	.13	.14
bbls.	gal	1.25	Subgallate, USP 175 bbls.	D	2.51	Bbls. l/c/ whs.	D	.12
			Subiodide, 5D lots.	D	4.43	Bromide, 100D cs.	D	.45



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Chemicals

Calcium Carbide, 230 lb dr c/lwks lb04 1/2	Carbon Bisulfide, 500 lb dr. NY. lb	.06	.06 1/2	Chromium Acetate, 20° soln. 400 lb		
Drums 1c/l wks. lb	...	.05	Ton Lots, drs. NY. lb	.06	.06 1/2	bbls. lb	.08	.10
Carbonate, tech. 100 lb bags	...		Carbon Black, 12 1/2 lb bags, 150-			Fluoride, Powd. 400 lb bbls. lb	...	.50
c/l 100 lb	1.00	1.10	225 lb cases lb	.18	.35	Soln. 400 lb bbls. lb	...	...
USP, precip. 175 lb bbls. lb	...	.04	Carbon Tetrachloride, 1400 lb drs			Sulfate, 400 lb bbls. lb	.07	.09
Chloride, solid, 650 lb drs. c/l	...		NY lb	...	.10	Chrysarobin, USP 5 lb cans. lb	2.00	2.20
f o b NY. ton	...	24.50	Drums, c/l NY. lb	.08 1/2	.09	Cinchonidin alk., pvd. 100 oz. tinsos	...	.70
Gran., 350 lb drs. c/l f o b	...		700 lb drs single NY. lb	...	.10	Crystal oz.	...	.75
NY ton	...	30.50	Carmine, No. 40 5 lb boxes. lb	4.40	4.50	Sulfate, 100 oz. tins. oz.	...	.50
Flake 330 lb drs. c/l drs. fob	...		Casein, edib. 100 lb keg. lb	.45	.50	Cinchonine, alk., pvd. 100 oz. tinsos	...	.35
NY ton	...	30.50	Technical, 200 lb bbls. lb	.15	.18	Crystal oz.	...	.43
Imp., solid 600 lb drs. spot. ton	...	20.50	Castoreum, 1 lb boxes. lb	4.00	4.50	Sulfate, 100 oz. tins. oz.	...	.25
Anhyd., 350 lb drs. fob NY. lb	.12	.13	Castor Oil, USP 50 gal. bbl. lb	...	.13	Cinnamic Alcohol, see Alcohol Cinnamic		
Glycerophosphate, 250 lb bbls. lb	1.55	1.60	Cases, 80 lb 2 tins. lb	...	.14	Cinnamic Aldehyde, 1 lb bot. lb	3.75	4.00
Iodide, 5 lb bot. lb	...	4.30	Tech., see Fixed Oils			Citral, 25 lb cans. lb	3.00	3.50
Lactate, tech. 500 lb bbls. lb	...	.13 1/2	Caustic Potash, see potash, caustic			Citrine Ointment, see Mercury		
Nitrate, 230 lb bbls. c/l NY. ton	...	40.00	Soda, see soda, caustic			Citronellal, 1 lb bot. lb	1.75	2.00
Phosphate, precip. 350 lb bbls. lb	.10	.12	Cerium Oxalate, USP 100 lb kgs. lb	.48	.53	Citronellol, 1 lb bot. lb	8.00	10.00
Phosphate, precip. tribasic 350	...		Chalk, drop 175 lb bbls. lb	.03 1/2	.03 1/2	Cobalt metal, 100 lb kegs. lb	...	3.00
lb bbls. lb	.12	.13	Precip. light 175 lb bbls. lb	.04	.05	Cobalt Oxide, 500 lb bbls. lb	...	2.10
Phosphate, mono. lb	.06 1/2	.07 1/2	Precip. heavy 560 lb cans. lb	.03 1/2	.04	10 lb tins 200 lb cases. lb	...	2.35
Sulfocarbolate, 100 lb kegs. lb	.58	.60	Charcoal, Bone, see bone black			COCAINE alk., USP 10 oz. tins. oz	...	11.00
Calomel, see Mercury			Wood, powd. 100 lb bbl. lb	.04	.05	Hydrochloride, USP 25 oz	...	7.00
CAMPFEN, Amer. ref. 250 lb	...		Willow, powd. 100 lb bbl. lb	.06	.07	tins	...	7.00
bbls. lb	...	.90	Chloral Hydrate, USP 100 lb drs. lb	.70	.75	In crystals, granular, powder,		
1 lb cakes, 100 lb cs. lb	...	.91 1/2	25 lb jars lb	.71	.76	or flaky crystals as desired.		
1 oz. tab., 1 lb ctms. lb	...	.95 1/2	Chinoidin, 170 lb cases. lb	.65	.75	Cocoa Butter, bulk 200 lb bales. lb	...	.33
100 lb cs. lb	...	.95 1/2	Chlorhydric, Ethylene anhyd. 1000 lb	1.50	1.60	Fingers, cakes, etc. 12 lb bxs. lb	.35	.36 1/2
1/2 oz. tab., 1 lb ctms. lb	...	.96	40% soln. 100 lb cys. lb	.30	.35	CODEIN alk., 5 oz. cans 10 oz	...	7.30
100 lb cs. lb	...	.96	CHLORINE, Liquid 2000 lb cyl			lots	...	7.30
Jap. ref. 2 1/2 lb slabs, 100 lb	...	.86	c/l wks. lb	.05 1/2	.05 1/2	Hydrobromide, 10 oz. oz.	...	5.85
cs. lb	...	.86	Tank car lots wks. lb	.05 1/2	.05 1/2	Hydrochloride, 10 oz. oz.	...	5.85
1 oz. tab. 100 lb cs. 1 lb	...	.87	100 lb cyl l/c/wks. lb	.06 1/2	.07	Nitrate, 10 oz. oz.	...	5.85
tins lb	...	.87	Chlorobenzene, mono. 1000 lb drs			Phosphate, 10 oz. oz.	...	5.50
1/2 oz. tab. 100 lb cs. 1 lb	...	.88	wks. lb	.10	.11	Salicylate, 10 oz. oz.	...	5.50
tins lb	...	.88	Dr. c/l wks. lb	...	.09	Sulfate, 10 oz. oz.	...	5.85
Chinese ref. 2 1/2 lb slabs 100 lb	...	.86	Tank car lots wks. lb	...	.08	Small Bales, 1/2 oz. vials, 50c extra,		
cs. lb	...	.86	CHLORFORM, USP 50 lb drs. lb	...	.35	3/4 oz. 25c extra, singles 7c extra		
Crude, 100 lb cs. lb	...	.72	Second Hands, 650 lb drs. lb	...	...	per oz.—25 oz. lots, 10c oz. cheaper		
Campher, Monobrom. 100 lb cs. lb	1.90	1.95	Technical, 650 lb drums. lb	.32	.33	than above.		
Caramel, 50 gal. bbls. gal	.60	.62				COD LIVER OIL, Norwegian, 30 gal.		
Carbazol, 250 lb bbls. lb	.75	.80				bbls. bbl	22.00	24.00
						Newfoundland, 30 gal. bbls. bbl

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EBG

Chemicals

Colchicine alk., USP 1 oz. vls.	30.00	Dinitrobenzene, 400 lb bbls.18	.20	Ethyl—(continued)		
Salicylate, 1 oz. vials.	45.00	Dinitrochlorobenzene, 400 lb bbls. ....	.20	.22	Valerate, 5 lb bot.	7.50	
Colloidion, USP 30 lb drums. ....	.22	Dinitronaphthalene, 350 lb bbls. ....	.30	.32	Ethylene Bromide, drs. ....	.60	
Flexible, USP 30 lb drums. ....	.27	Dinitrophenol, 350 lb bbls. ....	.33	.35	Glycol	1.00	1.25
COPPER, metal electrolytic c/l		Dinitrotoluene, 300 lb bbls. ....	.20	.22	Eucalyptol, 25 lb cans. ....	.80	.85
NY 100 lb 13.87½		Dionin, see Morphine, Ethyl			Eugenol, 25 lb cans.	3.35	3.50
Lake, c/l NY 100 lb 14.12½		Diphenylamine, 250 lb bbls. ....	.52	.54	FERRIC CHLORIDE, tech. crys.		
Castling, c/l NY 100 lb 13.50		Diphenylsulfide, 500 lb drums. ....	.85	.90	475 lb bbls. ....	.07	
Carbonate, 400 lb bbls. ....	.19	Dover's Powder, USP 5 lb tins. ....		.20	USP, crys. 100 lb kegs. ....	.09	
Cyanide, 100 lb drs. ....	.58	Duboisine Sulfate, 1 oz. vls. ....		.55.00	Tech. Sol'n 40° 140 lb chys. ....	.08½	
Oxide, 1000 lb bbls. ....	.15½	EARTH, Diatomaceous, see Kieselguhr			48°, 140 lb chys. ....	.08	
Carlots, bbls. ....	.15	Emetine, alk., 15 gr. vls.		1.65	USP Sol'n 125 lb chys. ....	.08	
Sub-Acetate, vend. 440 lb bbls. ....	.35	Hydchlde, USP 1 oz. vls.	16.00	17.00	Ferrous Chloride, crys. tech.		
SULFATE, crys. 450 lb bbls. 1c/l		15 gr. vials. ....	.75	.80	475 lb bbls. ....	.06	.08½
spot 100 lb 6.25	6.50	EPSOM SALT, tech. 300 lb bbls.			Ferrous Sulfate, 900 lb bbls. 100 lb	4.00	4.25
Carlots, bbls. delivered 100 lb 5.90		NY 100 lb 2.25			Flake White, see lead, white		
Powdered, 350 lb bbls. 1c/l		Bbls. c/l NY 100 lb 2.10			Fluorspar, 95% 220 lb bgs. ex		
spot 100 lb 6.90	7.25	100 lb bgs. c/l NY 100 lb 1.85			dock		
Carlots, bbls. deliv 100 lb 6.75		Imp., 112 lb bgs. c/l			96% bgs.	25.00	
Copperas, bulk c/l wks.	18.00	NY 100 lb 1.35			98% bgs.	33.50	
400 lb bbls. c/l wks.	25.00	USP, 300 lb bbls. 10 bbls. 100 lb 2.75	2.90		FORMALDEHYDE, USP 400 lb bbls.		
200 lb bgs. c/l wks.	23.00	Carlots, bbls.	2.35	2.50	c/l wks. ....	.13½	
Cure Syrup, 42 deg. 50 gal.		Imported, 300 lb bbls. 100 lb 2.25	2.50		Carboys, 100 lb 1c/l wks. ....	.14½	
bbls.	2.77	Ergotin, Bonjean, 1 lb jars.	9.50	10.00	Bbls. 400 lb 1c/l wks. ....	.13½	
43 deg. 50 gal. bbls.	2.82	Eserine alk., 1 oz. vls.		30.00	Fuller's Earth, 200 lb bgs. c/l		
Corrosive Sublimite, see Mercury Bichloride		Salicylate, USP 1 oz. vls.		25.00	mines	15.00	17.00
Cotton Soluble, 100 lb bbls. wet. ....	.40	Sulfate, USP VIII, 1 oz. vls.	20.00	20.25	Imported, 230 lb bags NY.	35.00	40.00
Coumarin, 25 lb tins.	4.00	ETHER, USP 55 lb drums. ....	.13	.15	Fusel Oil, refined, 100 gal drms. gal	3.50	3.00
CREAM TARTAR, USP 300 lb		Anaesthesia, 55 lb drums. ....		.16	Crude, 100 gal drms.		1.75
bbls. ....	.26½	USP, 1880 55 lb drums. ....		.38	G. SALT, paste 350 lb bbls. basic		
Imp. powd. USP 224 lb bbls. ....	.25	Washed, 55 lb drums. ....		.30	100% ....	.65	.70
Cresote Oil, 50 gal. drs. ....	.20	Motor, 1 lb cans. ....	.26	.27	Gelatin, USP silver bbl. 100 lb cs. ....	.80	.90
Carbonate, 1 lb bot. 35 lb	1.60	Ether, Nitrous, 1 lb bot. ....	.92	.95	Gold Label, 100 lb cans.		
Cresote Oil, 100 gal. drs. ....	.20	Ethyl Benzyl Aniline, 300 lb drs.		1.30	Technical, 100 lb cs. ....	.60	.65
Cresol, USP 400 lb bbls.		Ethyl Acetate, 99% 50 gal. drs. gal	.95	1.05	Geraniol, 50 lb cans.	2.25	2.50
Cyanamide, bulk c/l wks. Amm unit		85-90% Ester, 50 gal. drs. ....		.75	Geranyl Acetate, 1 lb bot.	5.00	5.75
....	2.25	Carlots, drums. ....		.72	GLAUBER'S SALT, tech. 300 lb bags		
DIAMINOPHENOL, 100 lb kegs.	3.75	Tank Cars ....		.70	c/l wks.	1.10	1.25
Dianisidine, 100 lb kegs.	4.50	Pure, 5 lb bot.	3.25	3.50	350 lb bbls. c/l wks.	1.25	1.40
Dichlorobenzene, 1000 lb drs. ....	.09	Benzonate, 5 lb bot.	1.50	1.75	Bbls. 1c/l wks.	1.40	1.65
Diethylaniline, 850 lb drs. ....	.60	Bromide 115 lb drs. ....		.40	Imported, bgs. spot. ....	.85	
Diethyl Parthalate, 25 lb cans. ....	.85	Butyrate, 5 lb bot.	1.40	1.75	USP, 300 lb bbls. Imp. sp. 100 lb		1.40
Diethyl Sulfate tech. 50 gal. drs. ....	.40	Methyl Ketone, 50 gal. drums ....	.10	.12	USP, 300 lb bbls. dom. sp. 100 lb		1.75
CP drums ....	.50	Morphine, see Morphine, Ethyl			Glucose, (Grape Sugar) dry, 100		
Digitalin, Pure, 1 oz. vls.	7.75	Chloride, 15 lb cpl. ....		.50	bags, c/l NY 100 lb 3.09	3.19	
Dimethylaniline, 840 lb drs. wks. ....	.34	Cinnamate, 1 lb bot.	5.00	5.50	Syrup, Drs. & bbls. c/l NY 100 lb	2.77	3.02
Dimethylsulfate, 110 lb drs.		Formate, 5 lb bot.	1.00	1.10	1c/l NY 100 lb 3.13		

ALPRO

ACETATES

ETHYL: AMYL: BUTYL

The Miner Edgar Company
 Rail and Water Facilities
 110 William Street
 New York

Chemicals

GLYCERIN, C. P. 550 lb drums. lb	...	.18 1/2
Cans, 50 lb	...	.20
Dynamite, 1000 lb drs.	...	.17 1/2
Saponification, tanks	...	.13 1/2
Soap, Lye, tanks	...	.11 1/2
Goa Powder, see chrysarobin		
Graphite, crude 220 lb bags	15.00	35.00
Flake, 500 lb bbls.	.06	.09
Guaiacol liquid, USP 25 lb cans. lb	2.50	2.60
Benzocote, 1 lb bot.	...	18.00
Carbonate, 5 lb boxes	3.50	3.75
HAARLEM OIL, Dom. 6 gr. cs. gross	...	3.50
Imported, 6 gr. cases	5.25	5.35
Heliotropin, 10 lb bot.	2.75	3.25
Hexamethylenetetramine, USP		
100 lb drums	.95	.97 1/2
Rubber Makers, Impalp. Pd.		
drs.	.90	.92
Second Hands, USP	...	.84
Homatropine Hydrobrom. USP 1 oz.	...	17.00
vis.	18.00	18.00
Hydrastine Alk., USP 5 oz. 1/2	...	19.50
vis.	20.00	20.00
Hydchlde, USP 5 oz. 1/2 vis.	19.50	20.00
Sulfate, 5 oz. 1/2 vis.	...	22.00
Hydrastine Hydchlde, USP 15 gr.	...	60.00
vis.	...	60.00
Hydrazobenzene, 100 lb kegs	1.30	1.35
HYDROGEN PEROXIDE, 25 vol. 400 lb	...	.10
bbls.	.05	.05 1/2
USP Soln. 375 lb bbls.	7.50	7.75
USP bot. 4 oz. cases	11.00	11.25
Bot. 8 oz. cases	18.50	18.75
Bot. 16 oz. cases	1.10	1.15
Hydroquinone, 100 lb kegs	20.50	21.00
Hyocine Hydrobrom. USP 1 oz.	...	35.00
vis.	...	35.00
Hyoscamine Alk. Cryst., 1 oz. vis. oz.	...	75.00
Alkaloid, Amorphous, 1 oz. vis. oz.	...	30.00
Hydrobromide, USP 1 oz. vis. oz.	...	35.00
Sulfate, 1 oz. vials	...	35.00

INDOL, C. P. 1 oz. bot.	10.00	11.00
Iodides, see Potass. Iodide, etc.		
IODINE, crude, 200 lb kegs	3.90	3.95
Resublimed, 10 lb jars	4.25	4.30
Tincture, USP 50 gal. bbls. gal	...	5.35
Iodoform, powd. 10 lb bot.	...	6.35
Crystals, 10 lb bot.	...	8.00
Ionone, (violet) 1 lb bot.	...	350.00
Iridium, metal 100s lots	...	.65
Iron, metal by hydrogen 1 lb bot. lb	...	.84
IRON & AMM. CITRATE, USP 25 lb	...	.84
cans	...	6.00
Green scales, 25 lb cans	...	.99
Cacodylate, 10 lb bot.	...	1.50
Citrate, USP VIII 25 lb cans	...	.30
Chloride, see ferric or ferrous	...	3.80
Hypophosphite, 5 lb cans	...	.33
Syrup, USP VIII	...	.80
Iodide, 1 lb bot.	...	.45
Syrup, USP 5 lb bot.	...	.47
Oxalate, scales 25 lb cans	...	.40
& Ammon. Oxalate, 25 lb bxs	...	.80
& Potassium Oxalate, 25 lb bxs	...	.40
& Sodium Oxalate, 25 lb bxs	...	.40
Phosphate, USP 25 lb cans	...	.90
Pyrophosphate, USP 25 lb	...	4.00
cans	...	3.10
Iso-Eugenol, 1 lb bot.	...	3.35
JALAP RESIN, lump 5 lb tins	...	3.25
Powd., tins	...	3.45
KIESELGUHR, 90 lb bags NY	35.00	40.00
LANOLIN, see Adeps Lanae		
LEAD, metal, c/l NY	100 lb	6.50
Acetate, white crystals 500 lb	...	.11 1/2
bbls. wks.	...	.12
100 to 250 lb kegs. wks.	...	.11 1/2
White, broken, bbls. wks.	...	.11 1/2
White, gran., bbls. wks.	...	.12 1/2
White, powd., bbls. wks.	...	.12 1/2
Kegs, wks.	...	.10 1/2
Brown, broken, bbls. wks.	...	.15
USP, 100 lb kegs	...	.17

Lead—(continued)		
Arsenate, 100 lb bbls. lc/l wks. lb	.15	.26
Bbls. c/l wks.	...	.15
Paste, 600 lb bbls.	...	3.00
Iodide, USP VIII 5 lb bot.	...	.23
Nitrate, 500 lb bbls. wks.	...	.09 1/2
Oxide, lithge. 500 lb bbls. wks.	...	.12 1/2
100 lb kegs wks.	...	.09 1/2
Oxide, red 500 lb bbls. wks.	...	.12 1/2
100 lb kegs wks.	...	.25
Peroxide, 100 lb drs.	...	.08 1/2
White, basic carb. 500 lb bbls.	...	.63 1/2
wks.	...	.12 1/2
Bbls. c/l wks.	...	.07 1/2
100 lb kegs wks.	...	.63 1/2
White, sulfate 500 lb bbls. wks.	...	.12 1/2
Bbls. c/l wks.	...	1.00
100 lb kegs wks.	...	.13
LIME, Salts, see Calcium Salts		
Hydrate, 200 lb bbls.	...	.10 1/2
Sulfur, dry 200 lb drs. NY	...	4.50
Drs. c/l NY	...	8.00
38° Soln. 50 gal. bbls. NY gal	...	13.00
Linalool, 5 lb bot.	...	1.50
Linalyl Acetate, 1 lb bot.	...	1.70
Benzocote, 1 lb bot.	...	1.40
Litharge, see lead oxide	...	.06 1/2
Lithium Carb. USP 100 lb kegs	...	.05 1/2
Bromides, 100 lb cs.	...	.08 1/2
Citrate, USP 100 lb kegs	...	.15.00
Lithopone, 400 lb bbls. lc/l wks.	...	1.25
Bbls. c/l wks.	...	.07 1/2
Imported. bbls.	...	.09 1/2
MAGNESITE, crude	...	55.00
Calcined, 500 lb bbls.	...	1.25
Magnesium mt., sticks 100 lb cs.	...	.08 1/2
Carb. tech. 70 lb bags NY	...	.11
75 lb bbls. NY	...	.12
USP, 60 lb bbls.	...	.25
USP, blocks 100 lb cs. 1, 2, 4	...	.32.00
ozs.	...	34.00
Chloride, fused 575 lb drs. c/l	...	28.00
wks.	...	
Flaked, 350 lb drs. wks.	...	
Imp., fused 900 lb bbls. NY ton	20.00	

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709 Sixth Ave., New York



Chemicals

Magnesium—(continued)

Fluocilic acid, crystal 4000 bbls.		
Wks.	.15	: 15%
30% soln. 500 bbls. wks.	.07	: .08
Soln. bbls. c/l wks.		: .06
Glycerophosphate, 5 lb tins.		: 3.35
Hypophosphite, 5 lb cans.		: 1.15
Oxide, USP light 100 lb bbls.		: .45
USP, heavy 250 lb bbls.		: .40
Peroxide, 5 lb cans.		: 2.15
Perborate, 1 lb tins.		: 2.25
Sulfate, 100 lb kegs.	.67	: .73
Sulfate, see Epsom Salt		
Manganese Chloride, 800 lb csk.		
NY	.09%	: 10%
Borate, 300 lb bbls.		: .15
100 lb kegs.		: .19
Dioxide, 80-84% 900 lb bbls.		
NY	80.00	: 85.00
85-90%, 900 lb bbls. NY ton	85.00	: 90.00
Hydrated, precip. 100 lb kegs.	.32	: .35
Glycerophosphate, 5 lb tins.		: 3.05
Hypophos. USP VIII 5 lb cans.		: 1.65
Iodide, 1 lb bot.		: 6.25
Ore, bulk NY.		: .30
Sulfate, 600 lb casks NY.	.10	: .11
MENTHOL, USP 60 lb cans.		: 7.00
Less cases, 5 lb tins.	7.25	: 7.50
MERCURY, metal 75 lb flask.	71.00	: 72.00
Less Flasks, 5 lb jugs.	1.02	: 1.04
Bichloride, cryst. 25 lb bxs.		: 1.10
Gran. powd. 300 lb kegs.		: .95
Disulfate, 25 lb boxes.		: .78
Blue Mass, 25 lb boxes.		: .62
Powdered, 25 lb boxes.		: .64
Blue Ointment, USP 25 lb cans		
50%		: .80
USP, dilute 25 lb cans 50%.		: .62
33 1/3% Mercury.		: .67
Calomel, 50 lb bxs.		: 1.15
Citrine Ointment 25 lb jars.		: .50
Iodide, green 25 lb jars.		: 3.66
Red, USP 25 lb jars.		: 3.76
Yellow, USP VIII 25 lb jars.		: 3.66

Mercury—(continued)

Red Precip. USP 25 lb bxs.	1.28	
Powder, USP 25 lb bxs.	1.38	
White Precip. USP 25 lb bxs.	1.39	
Powder, USP 25 lb bxs.	1.44	
With chalk, USP 25 lb bxs.	.62	
Meta-Nitroaniline, 300 lb bbls.	.75	
Meta-Nitro-para-Toluidine, 300 lb bbls.	2.25	: 2.30
Meta-Phenylenediamine, 300 lb bbls.	1.00	: 1.10
Meta-Toluylenediamine, 300 lb bbls.	.90	: .95
Methyl Acetone, 100 gal. drums.	.70	
Tank cars	.65	
Anthrathine, 1 lb bot.	2.75	: 3.00
Chloride, 90 lb csk.	.60	
Cinnamate, 1 lb bot.	5.50	: 5.75
Paracresol, 1 lb bot.	8.00	: 9.00
Salicylate, USP 50 lb cans.	.47	
500 lb drums	.45	
Second Hands, cases.	.43	: .44
Methylene Blue, tech. 100 lb kegs.	1.75	: 2.00
USP, medicinal 5 lb cans.	2.25	: 2.60
Michler's Ketone, 225 lb bbls.	3.75	
Milk, powd. 150 lb bbls.	.14	: .15
Milk Sugar, see sugar of milk		
Mineral Oil, see oil mineral		
Monochlorobenzene, see chlorobenzene		
Monochloroaniline, 900 lb drs.	1.00	: 1.05
MORPHINE Sulfate, USP 5 oz. tins		
10 oz. tins	5.35	
Acetate, 5 oz. tins 10 oz. lots.	5.35	
Hydrobromide, 5 oz. tins 10 oz. lots	5.35	
Hydride, 5 oz. tins 10 oz. lots	5.35	
Diacetyl Alk., 1/4 oz. via. 10 oz.	8.95	
Hydride, 1/4 oz. via. 10 oz.	8.10	
Ethyl Hydride, 1/4 oz. via. 10 oz.	9.45	
Small Size: 1/4 oz. via. 50c extra;		
1/4 25c extra; single oz. via. 75c extra,		
over price for 5 oz. tins, 25 oz. lots in 5 oz. tins, 10c oz. lower than above schedule.		

Musk Ambrette, 1 lb cans.	12.00	: 14.00
Ketone, 1 lb cans.	9.00	: 10.00
Xylene, 5 lb cans.	2.25	: 2.75
NAPHTHA, Solvent, 110 gal. dra.		
wks.		: .30
8000 gal. tank car wks.		: .37
NAPHTHALENE, Flake, 175 lb bbls.		
wks.	.07%	: .08
Bbls. c/l wks.		: .07
Bbls., second hands NY.	.06%	: .07%
Balls, 250 lb bbls. wks.	.08%	: .09
Bbls. c/l wks.		: .08
Crushed, wks.		
Nerolin, 1 lb tins.	2.00	: 2.50
Nickel Metal, electrolytic 100 lb kegs.		: .36
Shot, 100 lb kegs.		: .37
Salt, single 400 lb bbls. NY.	.07%	: .08
Double, 400 lb bbls. NY.	.08	: .09
Oxide, 100 lb kegs NY.	.40	: .42
Nitre Cake, bulk wks.		: 8.25
500 lb bbls.		: 9.75
Nitrobenzene, crude 1000 lb drs.		
Bodistilled, 1000 lb drs. wks.	.09%	: .10%
Nitronaphthalene, 550 lb bbls.	.10	: .11
Nitrotoluene, mixed 1000 lb drs.	.20	: .22
wks.	.14	: .16
Oil Fuel, see Fuel Oil		
OIL MINERAL, wh. 50 gal. bbls. gal.	.75	: 1.25
Oil Mirbane, see nitrobenzene		
Opium, see crude drugs		
Orange Mineral, 800 lb casks NY.		: .13%
500 lb bbls. NY.		: .14
Ortho-Aminophenol, 50 lb kegs.	2.35	: 2.50
Ortho-Anisidine, 100 lb drs.	2.00	: 2.10
Ortho-Dichlorobenzene, 1000 lb drs.		
wks.	.15	: .17
Ortho-Nitrochlorobenzene, 1200 lb drs.		
Ortho-Nitrophenol, 350 lb bbls.	.32	: .35
Ortho-Nitrotoluene, 1000 lb drs.		: .80
wks.	.09	: .10
Ortho-Toluidine, 350 lb bbls.	.14	: .15
Oxgall, USP 5 lb bot.		: 3.00

1816

CHEMICALS

1922

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South Charleston, W. Va.

Chemicals

PALLADIUM , metal 10 oz. lots on 51.00 : 53.00	Pepsin , USP 5 lb bot. lb 2.25 : 2.50	Podophyllin , 5 lb bot. lb 4.25 : 4.50
Pancreatin , USP 5 lb bot. lb 1.25 : 1.40	PETROLATUM , green 300 lb bbls. lb .02% : .03	POTASH, CAUSTIC , solid 88-92% 700 lb dra. wks. lb .09 : .10
Papain , 1 lb bot. lb 2.15 : 2.25	Dark Amber, 300 lb bbls. lb .04 : .04 1/4	Dra. 4/1 wks. lb . : .08
Paraffin , ref'd. 200 lb cs. slabs	Light Amber, 300 lb bbls. lb .04% : .05	Imp., 88-92% 700 lb dra. NY. lb .06% : .06 1/4
120-125 Deg. M. P. lb .03% : .03 1/4	Cream White, USP 300 lb bbls. lb .07 : .07 1/4	USP, by alcohol 5 lb cans. lb .46 : .48
125-130 Deg. M. P. lb .04 : .04 1/4	Lily White, USP 300 lb bbls. lb .09 : .09 1/4	cases lb .30 : .35
130-135 Deg. M. P. lb .04 : .04 1/4	Snow White, USP 300 lb bbls. lb .12 : .12 1/4	POTASSIUM Acetate , USP 100 lb
135-140 Deg. M. P. lb .05 : .06 1/4	PHENOL , see also acid carbolle	kegs lb .28 : .29
Para-Aminocetanilid , 100 lb	Open market, 950 lb dra. lb .29 : .30	Bicarbonate, crys. 220 lb bbls. lb .08 : .09
kegs lb 1.25 : 1.35	475 lb dra. lb . : .	Bichromate, crys. 900 lb casks
Para-Aminophenol , 100 lb kegs. lb 1.10 : 1.25	Natural 240 lb des. dra. wks. lb .22 : .26	wks. lb .10 : .11
Hydrochloride , 100 lb kegs. lb 1.20 : 1.25	Phenolphthalein , USP 100 lb dra. lb 1.40 : 1.50	Powd., 900 lb casks wks. lb .13 : .13 1/4
Para-Anilidin , 100 lb kgs. lb 3.00 : 3.25	5 lb cans, 100 lb lots. lb 1.45 : 1.55	Sinoxolate, 200 lb bbls. lb .34 : .38
Technical , kegs lb 1.65 : 1.75	Phenylacetaldehyde , 1 lb bot. lb 7.50 : 9.00	Bisulfate, C.P. 5 lb cans. lb . : .39
Para-Dichlorobenzene , 270 lb bbls.	Phenylacetic Acid, 1 lb bot. lb 3.00 : 4.00	100 lb kegs lb . : .32
wks. lb .17 : .20	Phenyl-Alpha-Naphthylamine 100 lb	Bromate, 100 lb cs. lb . : .45
Paraldehyde , 100 gal dra. lb .21 : .23	kegs lb . : .	BROMIDE , USP cryst. 450 lb
Paraformaldehyde , USP 100 lb cs. lb .52 1/4 : .55	Phenylethylalcohol , 1 lb bot. lb 8.00 : 8.00	bbls. lb . : .26
Para Nitroacetanilid , 300 lb	Phosgene , cylinders wks. lb .60 : .65	Granular, 300 lb bbls. lb . : .26
bbls. lb .55 : .60	Phosphorus Oxichloride , 175 lb cyl. lb .30 : .35	Cases, 100 lb lb . : .27
PARA-NITROANILINE , 300 lb bbls.	Phosphorus , red 110 lb cs. wks. lb . : .50	Imported, USP 220 lb cs. lb .17 : .19
wks. lb .73 : .78	Imported, 112 lb cases. lb .25 : .27	Cases, 112 lb lb .18 : .20
Para-Nitrochlorobenzene , 1200 lb dra.	Phosphorus Sesquioxide , 105 lb cs.	CARBONATE , 80-85% calc.
wks. lb .25 : .27	wks. lb . : .42 1/4	800 lb cks. lb .05% : .06
Para-Nitro-ortho-Toluidine , 300 lb	Phosphorus , yellow 110 lb cs. wks. lb .25 : .35	80-85%, hydrated, 800 lb.
bbls. lb 2.75 : 2.85	Imported, 112 lb cases. lb . : .28	cks. lb .07 : .07 1/4
Para-Nitrophenol , 185 lb bbls. lb .72 : .75	Phosphorus Trichloride , 175 lb cyl	90-95% casks lb .07 : .07 1/4
Para-Nitrosodimethylaniline , 120 lb	wks. lb .30 : .35	96-98% casks lb . : .08 1/4
bbls. lb . : .	Pilocarpine Hydrochloride , USP 1 oz.	99% casks lb . : .11
Para-Nitrotoluene , 350 lb bbls. lb .80 : .75	vis. oz. 8.00 : 8.25	USP, 100 lb kegs. lb .10 : .11
Para-oxy-Benzaldehyde , 100 lb	Nitrate, 1 oz. vis. 25 oz. oz 8.00 : 8.25	Chlorate, crys. 112 lb kgs. NY. lb . : .09
kegs lb 1.50 : 1.60	Alkaloid, 15 gr. vis. ea . : .75	Imp. 112 lb kegs NY. lb . : .07 1/4
Para-Phenetidin , 500 lb dra. lb 1.35 : 1.40	Phthalic Anhydride , 175 lb bbls. lb .35 : .40	Powd., 112 lb kegs NY. lb .07 : .07 1/4
Para-Phenylenediamine , 350 lb	Piperazine Hydrate, 1 lb bot. lb . : .16.00	Imp. kegs NY. lb .08 : .09
bbls. lb 1.50 : 1.60	Pitch, Coal-Tar wks. ton 30.00 : 33.00	Pyrotechnic, fine powd. NY. lb .08 : .09
Para-Toluene-Sulfonamide , 175 lb	Plaster Paris, tech. 230 lb bbls. bbl 4.25 : 4.40	USP, fine crys. 110 lb kegs lb .08 : .09
bbls. lb .40 : .42	True Dental, bbls. bbl 4.35 : 4.50	NY lb .63 : .66
Para-Toluene-Sulfonchloride , 410 lb	Platinum , metal soft 10 oz. lots. oz . : 108.00	Citrate, USP 10 lb cans. lb .63 : .66
bbls. wks. lb .11 : .14		Glycerophosphate, 75% Soln. 25 lb
Para-Toluidine , 350 lb bbls. wks. lb .95 : 1.10		trus lb 1.65 : 1.70
Paris Green , basis, 500 lb kegs. lb .20 : .21		
1 lb Packages lb .27 : .28		
Paris White , see whitening, French		

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PITTSBURGH, PENN., U. S. A.

Specifications on Request

Chemicals

Potassium—(continued)			Quinine—(continued)			Safrol, 60 lb cans lb .55 : .60		
Quaisol Sulfonate, 5 lb cans, 10 lb	1.50	1.75	Dibromide	..	.66	Sal Ammoniac, see Ammon. Chloride		
Hypophosphite, 10 lb cans	..	.85	Dicarbonate, 100x tins	..	2.50	Salicin, USP, 1 lb cartons, 25 lb	4.00	4.15
Iodide, USP, 100 lb cans	3.45	8.50	Ethyl Carbonate, 16 oz tins	..	.95	Salol, USP, 100 lb drums	.85	.90
Second Hands, cans	..	8.40	Formate	..	.85	Salt, Common, see sodium chloride		
Lactophosphate, 40x bot	..	.90	Ferrocyanide	..	.88	Salt Cake, c/1 f.o.b. wks	..	25.00
Metabisulfite, 300 lb bbls	..	.23	Glycerophosphate	..	.88	ALTPETRE, gran., 500 lb bbls		
Imp., 300 lb bbls	.14	.15	Hydriodide	..	.88	wks	.07½	.08½
Muriate, 80%, 200 lb bags, NY K ₂ O unit	..	.70	Hydrobromide, USP	..	.62	Bbls c/1 wks	..	.06%
Nitrate, see Saltpetre			Hydrochloride, USP	..	.62	Imported, 500 lb bbls	.06½	.06%
Oxalate, neutral, 100 lb kegs	.40	.45	Hydrochloride, USP	..	.66	Santonin USP, 1 lb bot	172.00	175.00
Perchlorate, 112 lb kegs	.12	.14	Lactate	..	.78	Powd. 1 lb bot	173.50	176.50
Permangan, USP, 112 lb drs	.16½	.17	Phenolsulfonate	..	.88	Saponin, ex Quillaja, 5 lb tins	1.50	1.75
USP small cry, 112 lb drms	.16½	.17	Phosphate	..	.74	Schaeffer's Salt, 250 lb bbls.wks	.60	.65
Prussiate, red, 350 lb bbls	.85	.90	Salicylate, USP	..	.63	copolamine, see hyoscine		
500 lb cans	..	.85	Tannate, USP	..	.45	Selditz Mixture, 225 lb bbls	..	.18
Prussiate, yellow, 500 lb cans	.37	.38	Tartrate	..	.88	SILVER, metal, American.....oz ..	.99½	
Sulfate, 25 lb cans	.65	.67	Valerate	..	.89	Foreign	..	.69½
Sulfate, 200 lb bags, NY K ₂ O unit	..	.95	Small Sizes: 10x vials or cans, 500x lots, 5c oz extra; 50x cans, 500x lots 3c oz extra; 250x cans 500x lots, 2c oz extra; single 10x vials or cans, 5c extra. All minor quinine salts sold and quoted basis 1000x lots in 1000x cans. Sulfate and bisulfate sold basis 1000x lots in 1000x cans. Smaller orders or containers extra as above schedule.			Colloidal, 16oz bot	..	1.60
USP, VIII, 100 lb kegs	.18	.20	R SALT, 250 lb bbls wks.....lb .55 : .65			Nitrate, USP, 200oz bot	.47	.47½
Sulfocyanide, CP 25 lb jars	..	.70	Red Lead, see lead oxide			Nucleinate, 16oz bot	.32	.37
Tartrate, neutral, 25 lb cans	..	.60	Red Precipitate, see mercury.			Proteinase, 16oz bot	.34	.39
Titanium Oxalate, 200 lb bbls	..	.35	Resorcinol, see resorcinol.			Sap, Castile, 40 lb bxs	.20	.25
freight allowed	..	.35	Resorcinol tech. 100 lb kegs	1.50	1.55	Powd. USP, 250 lb bbls	.28	.29
Pumice Stone, lump, 250 lb bbls	.04	.06	USP, 25 lb cans	1.95	2.05	Green, USP, 150 lb kegs	.07½	.08
Powdered, 350 lb bbls	.02½	.03½	Rochelle Salt, USP, 225 lb bbls	..	.21	Prices on soda alkalies are based on actual percentages and not N. Y. & L. test.		
Pyridine, 50 gal drums	1.50	1.75	Imp. USP, 300 lb bbls	.19	.21	SODA ASH, 58% light bgs NY		
QUICKSILVER, see Mercury			Rosewater, triple, 5 gal demis	1.50	1.60	flat, ex-warehouse	..	2.01
Quinidine Alk. 1000x tins	.70	.75	SACCHARIN, USP, 1 lb cans, 25 lb	1.90	2.00	Contract, Basis 48% bags c/1	..	1.20
Sulfate, 1000x tins	..	.50	Soluble, USP, 1 lb cans, 25 lb	1.90	2.00	wks	..	1.20
QUININE SULFATE, USP,						Prompt and spot, Basis 48% bags c/1 wks	1.25	1.30
American, 1000x tins	..	.50				Soda Ash, 58% dense, bags ex-warehouse, NY	..	2.07
10x tins, 1000x lots	..	.57				Contract, Basis 48% bags c/1	..	1.25
Dutch, 1000x tins	..	.50				wks	..	1.25
Java, 1000x tins	..	.50				Pmpt. and spot, Basis 48% bags c/1 wks	1.30	1.35
Japanese, 1000x tins	..	.50						
QUININE ALK., USP, 1000x tins.....oz ..	.67							
Acetate	..	.88						
Arsenate	..	.88						
Benzoate	..	.88						
Bisulfate, USP	..	.50						
Citrate	..	.62						
Dihydrochloride, USP	..	.66						

The Name Associated With **Roche** Fine Chemicals and Alkaloids of Rare Quality



Aconitine and Salts
Amidopyrine
Antipyrine
Apomorphine Hydrochloride
Arecoline Hydrobromide
Atropine and Salts
Berberine and Salts
Brucine and Salts
Caffeine and Salts
Cocaine and Salts
Codeine and Salts
Colchicine Alkaloid, U. S. P.
Colchicine Salicylate
Creosote, U. S. P.
Creosote Carbonate
Cumarin
Diacetylmorphine
Alkaloid and Hydrochloride
Digitalin Pure
Duboisine Sulphate
Emetine and Salts
Eserine and Salts
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Hyoscyamine and Salts
Morphine and Salts
Phenolphthalein
Pilocarpine and Salts
Potassium Guaiacol Sulphonate "Alta" Brand
Salicin
Saponin Purified
Scarlet Red Medicinal
Genuine "Biebrich"
Silver Proteinate
Sodium Cacodylate
Sparteine Sulphate
Strophanthin
Strychnine and Salts
Theobromine and Salts
Veratrine and Salts
Yohimbin Hydrochloride

THE HOFFMANN-LA ROCHE CHEMICAL WORKS NEW YORK

Chemicals

SODA, CAUSTIC, 76% solid, resale,			Sodium—(continued)			Sodium—(continued)		
NY flat	100 lb	3.50 : 3.60	Chloride, tech 200 lb bags, ton	12.00	: 15.00	Phosphate, di-sodium, tech 550 lb		
Contract basis 60% c/l wks	100 lb	...	C. P. 300 lb bbls. ....	.05	: .06	bbls .....	.03½	: .04½
...	100 lb	...	Citrate, USP, IX, 100 lb kegs. lb	...	: .62	USP, gran. 275 bbls. ....	.07	: .07½
...	100 lb	...	USP, VIII, 100 lb kegs. ....	...	: .55	Imp. gran. ....	.05½	: .06
Pmpt and spot, Basis 60%	100 lb	2.57½ : 2.60	Cyanide, 96-98%, 100 lb cases			USP, recrys 275 bbls. ....	.10	: .11
c/l wks	100 lb	...	NY .....	.24	: .25	Mono-sodium 100 lb kegs. ....	.25	: .27
Contract 60% low grade c/l	100 lb	...	Ton lots, NY. ....	...	: .23	Tri-sodium tech. 550 lb bbls. lb	.04½	: .05½
wks flat	100 lb	...	73-76%, 100 lb cases, NY lb	.22	: .23	Picramate, 100 lb kegs. ....	...	: .60
...	100 lb	...	Imp. 128%, 200 lb cases lb	...	: .22	Para-Toluene Sulfonate, 175 lb		
Ground & flake, 76% pmpt and	100 lb	...	120% cases .....	.19	: .20	bbls .....	.08	: .09
spot, wks c/l drs.	100 lb	...	Fluoride, 350 lb bbls, NY. ....	.09½	: .09½	PRUSSIAN, yellow, 450 lb cks. lb	.22½	: .23½
Contract, 76% drums, c/l wks	100 lb	...	Glycerophos, USP, crys 25 lb			Pyrophosphate, 100 lb kegs. ....	...	: .14
flat	100 lb	...	cans	1.70	: 1.75	Salicylate, 100 lb kegs. ....	.42	: .44
USP, stick, 10 lb cans.	100 lb	.19 : .21	Powder, 25 lb tins.	1.75	: 1.80	Second Hands, USP, kegs. ....	.41	: .42
Pure, stick, by alcohol.	100 lb	.25 : .27	Solution, USP 25 lb tins.	1.00	: 1.05	Silicate, 60° bbls wks.	2.00	: 2.10
SODIUM ACETATE, crys 450 lb bbls			Hydroxide, 200 lb bbls, cob. vls. lb	.19	: .22	600 lb drs wks .....	.95	: 1.20
wks.	100 lb	.08 : .08½	Hydroxide, see Soda Caustic			Silicofluoride, 450 lb bbls NY. lb	.07½	: .08
Ton lots. bbls wks.	100 lb	.07½ : .08	Hypophosphite, USP, 25 lb cans			Sulphate, see Glauber's Salt.		
Aluminum Sulfate, see alum soda.			lb .....	...	: .75	Sulfate, 60% solid, 650 lb drs		
Benzonate, USP, 250 lb bbls.	100 lb	.57 : .60	HYPOSULFITE, tech. pea crys.			wks. ....	.05	: .05½
Bicarbonate, 400 lb bbls.	100 lb	...	375 lb bbls. wks.	3.60	: 3.85	Drs. c/l wks .....	...	: .03½
Bbls c/l wks.	100 lb	...	Bbls c/l wks. ....	...	: 3.45	Imp. 700 lb drs NY. ....	...	: .04
112 lb kegs.	100 lb	...	100 lb kegs wks.	3.95	: 4.25	60% broken, 650 lb drs wks lb	.05	: .05½
112 lb kegs. NY.	100 lb	...	Granulated, bbls. wks.	3.85	: 4.05	Imp. 500 lb drs NY. ....	...	: .04
Bichromate, 600 lb casks wks.	100 lb	...	Bbls. c/l wks. ....	...	: 3.95	30° crys, 400 lb bbls wks. lb	.02½	: .03
Casks, c/l wks.	100 lb	...	Kegs wks.	4.20	: 4.50	Sulfate, crys, 400 lb bbls wks. lb	.03½	: .04
Bisulfite, dry powder, 500 lb	100 lb	...	Regular crystals 25c per 100 lb	3.00	: 3.25	Dessicated, 400 lb bbls. ....	.09½	: .10
bbls, wks	100 lb	...	Iodide, USP, 25 lb jars. ....	...	: 3.90	Sulfocarbonate, USP, 100 lb		
Solution, 32-40°, 500 lb bbls	100 lb	.04 : .04½	Metanilate, 150 lb bbls. ....	.80	: .82	kegs .....	.38	: .40
wks	100 lb	...	Naphthionate, 300 lb bbls. ....	.60	: .62	Sulfocyanide, 400 lb bbls. ....	.45	: .47
Bromide, USP, Cryst 500 lb bbls	100 lb	1.15 : 1.80	Nitrate, crude, 95%, 200 lb bgs			Tungstate, crys 100 lb kegs. ....	...	: .55
...	100 lb	...	c/l NY	2.47½	: 2.50	Dessicated, kegs .....	...	: .65
Cases, 100 lb	100 lb	...	Futures, NY	2.25	: 2.35	Solvent Naphtha, see Naphtha.		
Imp. USP, 112 lb cs.	100 lb	...	Double Refined, 400 lb bbls			Spartan Sulfate, USP, 250x bulk. oz	.50	: .55
Caediate, USP, 5 lb bot.	100 lb	.18 : .20	wks .....	.04½	: .04½	Starch, rice, 140 lb bags. ....	.06	: .08
25 lb	100 lb	...	Nitrite, 500 lb bbls wks. ....	...	: .09½	STRONTIUM Bromide, USP, 100 lb		
Carbonate, sal soda, 350 lb bbls	100 lb	4.50 : 4.60	Bbls spot, makers. ....	...	: .10	kegs .....	...	: .33
lc/l wks	100 lb	1.30 : 1.35	1 up. 650 lb casks. ....	...	: .08½	Carb. 600 lb bbls. wks. ....	...	: .07
Ton lots, wks.	100 lb	...	Ortho-Chloro-para-Toluene Sul-			100 lb kegs wks. ....	...	: .08
USP monohyd, 100 lb keg.	100 lb	...	fonate, 175 lb bbls wks. lb	.25	: .27	Iodide, USP, 25 lb jars. ....	...	: 3.70
Pure photographic.	100 lb	...	Oxalate, neutral, 100 lb kegs. lb	...	: .47	Nitrate, 600 lb bbls. wks. ....	.11	: .11½
keg	100 lb	.08 : .09	Perborate, 275 lb bbls. ....	...	: .24	Imp. bbls. NY. ....	.08½	: .10
Chlorate, 112 lb kegs, wks.	100 lb	.07 : .07½	Imp. 225 lb drs. ....	.19	: .20	Salicylate, USP, 100 lb kegs. ....	...	: .65
Imported, 112 lb kegs.	100 lb	.07 : .07½	Peroxide, 200 lb cases.25	: .27	100 lb kegs wks.11½	: .12



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MODIFIED SODA

Chemicals

STRYCHNINE Alkaloid, USP, crys			TALC , Italian, 220b bags NY ton			WHITE LEAD , see lead, white.		
100w tins	1.15		French, 220b bags NY	20.00	40.00	White Precipitate, see mercury.		
Alk. powd, USP	1.05		Dom, crude, 100b bags NY ton	15.00	18.00	Whiting, 200b bags, c/1 wks ton	18.00	
Acetate	1.05		Refined, 100b bags NY	20.00	30.00	Bags, 1/c/1 wks	23.00	
Glycerophosphate, USP	1.05		Tartar Emetic, tech, 300b bbls. lb	.27	.25	French, bags, NY	14.00	
Hydrobromide	1.05		USP, 300b bbls.	.34	.35	English, bags, NY	23.00	
Hydrochloride	1.05		Terpin Hydrate, USP, 100b kegs lb	.73	.75	Witch Hazel Extract, 50gal bbls. gal	1.20	1.25
Hypophosphite	1.15		Terpineol, CP 1000b drums	.50	.60	XYLENE , 2° dist range, nitration		
Nitrate, USP	1.05		Cans, 50b	.55	.60	lks wks	.45	
Phosphate	1.05		Imported, cans, 25b	.70	.75	110gal drs wks	.50	
Sulfate, USP, crys powd	.84		Terpenyl Acetate, 25b cans	1.75	2.00	5° dist range, 8000gal tanks	.40	
Saccharinate	2.15		Terra Alba, 300b bbls.	.02	.02	110gal drs wks	.45	
Starches preparations quoted bases			Theobromine Alk., 5b cans	5.50	5.75	Xylidine, 900b drs	.42	.43
100w lots in 100w tins, Small Starch;			Thiocarbamid, 170b bbls.	.35	.37	YARA YARA , 1b tins	2.00	2.50
1/4w vials, 50c extra; 1/2w vials, 35c			Thymol, USP, 10b cans	4.15	4.25	Yohimbin Hydchloride, 1oz vls.	11.00	11.50
extra; single ounce vial, 7c extra			Iodide, 5b boxes	6.75	7.00	ZINC , METAL, high grade, slabs		
Sugar Milk, USP, 200b bbls.	.19	.30	TIN , Metal Straits, NY	35.25		c/1 NY	8.00	
Second Hands, USP, bbls.	.19	.30	American standard, NY	100b		Common, Slabs, c/1 NY	7.10	7.40
Sulfonal, see Sulfonmethane.			99% American, NY	100b		Mossy, 25b bxs NY	.14	
Sulfonmethane, USP, 5b bxs.	4.25		C.P. mossy, 25b bxs NY	.91		Ammunium Chloride, soln, 400b		
Sulfonethymethane USP, bxs, 5b.	5.25		Bichloride, 50% soln 100b			bbls		
SULFUR , crude, bulk, c/1 NY ton	18.00		bbls wks	.10	.10	Carb. tech, 150b kegs NY	.14	.16
Brimstone , 250b bps, c/1 100b	1.75		Crystals, 500b bbls. wks	.30	.30	USP, 100b kegs	.30	
Less c/1 bags NY	1.85	2.10	100b kegs wks	.30	.30	Chloride, fused, 600b drs wks.	.07	
Roll, 500b bbls c/1 NY 100b	2.15		Oxide, 400b bbls wks	.38	.39	Drs. c/1 wks.	.05	.05
Less c/1 bags NY	2.35	2.60	100b kegs wks	.39	.42	Imp. drs NY	.08	.08
Flour , Heavy, 290b bbls, 100b	2.50	3.05	Tetrachloride, 1000b drs wks	.21	.22	Granulated, 500b bbls wks.	.08	.09
Light, 100%, 200b bbls, 100b	2.60	3.15	Toldine, 350b bbls.	1.15	1.20	Imported, drs NY	.08	.08
Rubbermakers 100%, 24b			Sulfate, 350b bbls.		1.00	USP, 25b jars	.20	
bbls NY	2.50	3.15	Toluene, 8000gal tank cans, wks gal		.30	Cyanide, 100b drs	.42	.43
Commercial, 99%, 150b bps	1.35	1.65	110gal drs wks		.35	Dust, 100b tins wks.	.09	.11
NY			Toluidine, Mixed, 900b drs wks.	.30	.32	500b bbls, kegs, c/1 wks.	.08	.09
For Dusting, 99%, 100b	2.00	2.50	Tribromophenol, 100b cases.		.85	500b bbls, kegs, c/1 wks.	.08	.09
bgs NY			Triphenyl Phosphate, 450b bbls.		.45	Iodide, 5b bbls.	.45	
Flowers, 100%, 240b bbls	3.00	3.55	Tripoli, 500b bbls		3.00	Nitrate, 25b jars.	.35	
NY			Tungsten NY	7.00	7.50	Oxide, Amer. 300b bbls, wks.	.07	.08
Precipitated, 125b bbls NY.	.18	.19	UREA, pharm 112b cases		.40	Bbls c/1 wks	.07	
Lac, 125b bbls NY	.10	.11	VANILLIN , USP, 400oz cans.	.43	.45	Bbl c/1 wks	.08	.11
Sulfur Chloride , red, 700b drs			Cans, 80 ozs		.45	USP, 100b bbls.	.15	.17
wks		.05	Cans, 16oz		.46	Stearate, USP, 60b bbls.	.19	.21
150b chys wks		.06	Second Hands, cans	.43	.47	Sulfate, 400b bbls wks.	.03	.03
Yellow, 700b chys wks		.05	Vermilion, Amer. 100b kegs		.30	Bbls c/1 wks	.08	.09
150b chys wks		.06	English, kegs		.90	USP, 100b kegs	.08	.09
Sulfur Dioxide , 100b cyl.	.08	.08	Veratrine Sulfate, 1oz vials.		2.50	Sulfocarbolate, 100b kegs.	.33	.35
Sulfuric Ether , see Ether.			Hydrochloride, 1oz vials.		2.50			
Sulfuryl Chloride , 600b drs		.70						

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Oils and Fertilizers

Oils								
Castor, No. 1 400b bbls.....D	.12%	.13	LINSEED, raw c/l bbls.....gal89	SOYA BEAN, crude tks. Coast..D	.10	.10%
50b cases.....D	...	.14	Ten bbls., raw.....gal	...	.92	Crude, bulk c.l.f. NY in bond..D	.06	.08%
No. 3, bbls.....D	.12	.13%	Boiled, 5 bbl. lots.....gal	...	.94	Crude, bulk c.l.f. PC in bond..D	.05%	.06
China Wood, 375b bbls.....D	.12%	.13	Double bottled 5 bbl. lots.....gal	...	.95	Crude, bbls. NY.....D	.10%	.11
Coast, 8000 gal. tks.....D	.11%	.11%	Raw, 8000 gal. tanks.....gal	...	.85	Refined, bbls. NY.....D	.12%	.12%
Orient to N. Y. bbls.....D	.13	.13%	Imported, bbls. NY.....gal	...	.84	Amer. pressed, crd. bbls. NY..D	.11	.11%
Orient to N. Y. tank cars.....D	.12	.12%	Imp. shipment, duty paid bbls.gal	...	.81	Sperm, 38° c. t. bichd. bbls. NY.gal	...	1.05
Cocunut Ceylon, 375b bbls. NY..D	.08%	.08%	Imp. tks. NY.....gal	...	.83	45° cold test, bichd. bbls. NY.gal	...	1.02
8000 gal. tanks NY.....D	.07%	.07%	Menhaden, crude bbls. wks.....gal	...	.47	STEARIC ACID, s. p. 200b bags..D	...	.10%
Cochin, 375b bbls. NY.....D	.09%	.09%	Crude, tanks wks Balt.....gal	...	.43	Double pressed, bgs.....D	...	.11
Tanks, NY.....D	.08%	.08%	Light strained, tanks.....gal	...	.53	Triple pressed, bgs, distilled..D	...	.12%
Manila, tanks Coast.....D	.07	.07%	Light strained, bbls. NY.....gal	...	.58	Triple pressed, bgs saponified..D	...	.13
Edible, bbls. NY.....D	.10%	.11	Yellow bleached, bbls. NY.....gal	...	.61	Stearine, oleo. bbls.....D	...	.14%
Cod, Newfoundland 50 gal. bbls.gal	.56	.60	Blown, bbls. NY.....gal	...	.68	Lard, bbls.....D	...	.09%
Tanks, NY.....gal	...	...	Neatafoot, 20° c.t. bbls. NY....D	...	.18	Tallow, edible, tierces.....D	...	.08
Edible, bbls. NY.....D	.04%	.04%	30° cold test, bbls. NY.....D	...	.14%	City extra, loose.....D	...	.10%
Corn, ref. 375b bbls. NY.....D	.12%	.12%	Pure, bbls. NY.....D	...	.12%	Tallow Oil, acidless tks. NY....D	...	.10%
Crude, tanks mills.....D	.07%	.08	Oleo Oil, No. 1, bbls NY.....D	...	.12%	Bbls. c/l NY.....D	...	.10%
Bbls. mills.....D	.09%	.09%	No. 2, bbls. NY.....D	...	.10%	Teaseed, crude bbls. NY.....D	...	.12%
Bbls. NY.....D	.10%	.10%	No. 3, bbls. NY.....D	...	.09%	Walnut, crude bbls. NY.....D	...	.11
COTTONSEED, crude tks. mills..D	...	.07%	OLIVE, denatured bbls. NY.....gal	1.15	1.18	Whale, nat. winter bbls. NY....gal	...	.70
P. S. Y. 100 bbl. lots NY....D	...	.09	Edible, bbls. NY.....gal	1.80	2.10	Bichd. winter bbls. NY.....gal	...	.75
White, 100 bbl. lots NY....D	...	.12	Foots, bbls. NY.....D	...	.09%	Crude, No. 1, tanks Coast.....D	...	.06%
Winter yellow, 100 bbls. NY..D	...	.12%	Shipment, duty paid.....D	...	.08	Crude, No. 2, tanks Coast.....D	...	.05%
Degras, Amer. 50 gal. bbls. NY..D	.04	.04%	Palm Lagos, 1500b casks.....D	...	.07%	Crude No. 3, tanks Coast.....D	...	.05
English, bbls. NY.....D	.03%	.04%	Niger, casks.....D	...	.06%			
Neutral, bbls. NY.....D	.08%	.09%	Bonny old Calabar, casks.....D	...	...	
Grease, choice white bbls. NY..D	.07	.09	Palm Kernel, 1500b casks NY..D	...	.08%			
Yellow.....D	.06%	.06%	Peanut, refined bbls. NY.....D	...	.12%			
Brown.....D	.08%	.07	Crude, mills buyers' tks.....D	...	.08%			
Bone naphtha.....D	.05	.05%	Crude, bbls. NY.....D	...	.12			
Herring, 50 gal. bbls. NY.....gal	...	.06%	Crude, Coast, sellers tks in B/d..D	...	.07%			
Horse, 375b bbls. NY.....D	...	.12	Perilla, bbls. NY.....D	...	.16			
Lard, city steam bbls.....D	...	.11%	Shipment, c.l.f. NY bbls.....D	...	.13			
Compound, bbls.....D	...	.11%	Shipment, c.l.f. NY c/s.....D	...	.13%			
LAND OIL, prime tech. bbls.....D	...	.12%	Poppyseed, bbls. NY.....gal	...	2.50			
Edible prime, bbls.....D	...	.14%	Rapeseed, refined bbls. NY.....gal	...	.80			
OT prime, bbls.....D	...	.12%	Blown, bbls. NY.....gal	...	.95			
No. 1, bbls.....D	...	.10%	Red Oil, distilled bbls.....D	...	.10			
Extra, No. 1, bbls.....D	...	.11%	Saponified, bbls.....D	...	.10			
No. 2, bbls.....D	...	.10%	Salmon, 8000 gal. tks. Coast.gal	...	.40			
			Sesame, domestic edible bbls....gal	...	2.50			
			Sed Oil, bbls. NY.....gal	...	.44			

Fertilizer Materials

Ammon. Sulf. bulk wks.....100b	...	3.20
Double bgs. f.a.s. NY.....100b	...	3.50
Blood, dried f.o.b. NY.....unit	...	4.25
Bone, 3 & 50 ground raw.....ton	25.00	30.00
Bone, Chicago.....ton	...	25.00
Cyanamide wks.....unit	...	2.25
Fish Scrap, dried wks.....unit	4.00	4.10
NITRATE SODA, NY.....100b	...	2.45
Phosphate Rock, f.o.b. mines.....	...	...
Florida pebbles, 68-75%.....ton	3.00	3.50
Tennessee, 70-75%.....ton	4.00	3.50
Phosphate Acid, 16% wks.....ton	3.00	3.50
Potassium Muriate, 80%.....unit	...	.70
Sulfate.....unit	...	.95
Steamed Bone Meal, NY.....ton	25.00	30.00
Tankage, ground NY.....unit	4.35	4.10
High grade, f.o.b. Chicago.....unit	4.35	4.10

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Spirits Turpentine, bbls.	gal	1.62
Wood Turpentine, stn distd. bbls.	gal	1.54
Destructive distilled, bbls.	gal	1.40
Pitch, prime	bbbl	6.00
Resins. (Sold in 600 lb bbls. gross for net, quotations based on a unit of 280 lb)		
B	280 lb	6.90
D	280 lb	6.95
E	280 lb	6.95
F	280 lb	6.95
G	280 lb	6.95
H	280 lb	6.95
I	280 lb	6.95
K	280 lb	6.95
M	280 lb	6.95
N	280 lb	7.00
WG	280 lb	7.50
WW	280 lb	8.15
Resin Oil, first run 50 gal. bbls.	gal	.43
Second run, bbls.	gal	.47
Tar, kiln-burnt	bbbl	12.50
Retort	bbbl	11.00

Woods

Barwood, chips	lb	.04½ : .05
Camwood, chips	lb	.09 : .13
Diel Divi, pods 100-200 lb bags	ton	32.00 : 34.00
Fustic, sticks	ton	35.00 : 37.00
Chips	lb	.04 : .06
Hemlock, bark	ton	16.00 : 18.00
Hyperic, chips	lb	.06½ : .07
LEGWOOD, sticks	ton	30.00
Chips 150 lb bags	lb	.02½ : .03
Mangrove bark, African	ton	35.00
Bark, South American	ton	25.00 : 30.00

Myrabolans, 150 lb bags J1	ton	28.00
R1	ton	34.00
R2	ton	17.00
Nutgalls, see Crude Drugs		
Oak bark, whole	ton	20.00 : 23.00
Ground	ton	25.00
Quercitron bark, rough	ton	10.00
Ground	ton	20.00 : 25.00
Sumac, Sicily, 160 lb bags	ton	55.00 : 58.00
Virginia, 150 lb bags	ton	35.00
Valonia Cups, 28-33% tan	ton	31.00 : 35.00
Beard, 40% tan, 150 lb bgs	ton	48.00 : 50.00
Wattle bark, 150 lb bags	ton	38.00 : 40.00

Extracts

Range of prices includes quality range for large quantity.

Annatto, fine	lb	.26 : .29
Archil, double 600 lb bbls.	lb	.16 : .18
Triple, 600 lb bbls.	lb	.17 : .19
Conc., 600 lb bbls.	lb	.19 : .20
Chestnut, clarified, 25% tks. wks. ton	ton	.01½ : .01¾
Powd., 60% 100 lb bbls. wks. ton	ton	.05½ : .05¾
Decolorized, bbls. wks. ton	ton	.09 : .09½
Cudbear, English	lb	.21 : .23
Cutch, Bangalore, 100 lb bales	lb	.13 : .16
Liquid, 450 lb bbls.	lb	.10 : .11
Tablets, 120 lb boxes	lb	.13 : .14
Flavine	lb	.90 : .95
Fustic, solid 50 lb boxes	lb	.14 : .14
Crystals, 100 lb boxes	lb	.22 : .24
Liquid, 51°, 600 lb bbls.	lb	.10 : .14
Gal extract	lb	.16 : .18
Gambier, 25% liq. 450 lb bbls.	lb	.06½ : .07
Common, 200 lb cases	lb	.05½ : .05¾
Singapore cubes, 150 lb bags	lb	.07 : .07½
NEMATINE, Paste, 500 lb bbls.	lb	.11½ : .13½
Crystals, 400 lb bbls.	lb	.16 : .20
Hemlock, 25% 600 lb bbls. wks. lb	lb	.04 : .04½
Hyperic, 51°, 600 lb bbls.	lb	.13 : .20
Indigo, Madras bbls.	lb	.85 : .90
Manila, bbls.	lb	1.30

Larch, 25%, 600 lb bbls. wks. lb	lb	.03½ : .03¾
Powd. 100 lb bags, wks. lb	lb	.07½ : .08
Logwood, 51°, 450 lb bbls.	lb	.08 : .10
Solid, 50 lb boxes	lb	.15 : .21
Madder, Dutch	lb	.28 : .30
Mangrove, 55% 400 lb bbls.	lb	.05½ : .05¾
Myrabolans, 25% liquid bbls.	lb	.05 : .05½
50% solid, 50 lb boxes	lb	.06½ : .06¾
Oak, tanks wks.	lb	.04½ : .04¾
23-25% liq. 600 lb bbls. wks. lb	lb	.05 : .05½
Osage Orange, 42° liquid	lb	.07 : .08
Powd. 100 lb bags	lb	.14 : .15
Persian Berrie	lb	.27 : .30
QUEBRACHO, 35% liquid lbs.	lb	.03½ : .04
450 lb bbls.	lb	.04½ : .04¾
35% bleaching, 450 lb bbls.	lb	.04½ : .05½
Solid 65% 100 lb bales	lb	.04½ : .05
Clarified bales	lb	.05½ : .05¾
Quercitron, 51° 450 lb bbls.	lb	.06 : .07
Powdered, 100 lb boxes	lb	.09 : .13
Spruce, 25% liquid tanks wks.	lb	.01 : .01½
Powd. 50% 100 lb bags wks. lb	lb	.02 : .02½
Sumac, liquid 450 lb bbls.	lb	.07 : .09

DYERS' SUNDRIES

Albumen, technical, egg 200 lb cs.	lb	.72
Blood, domestic, 100 lb drs.	lb	.45 : .50
British Gum, 140 lb bags c/l 100 lb	lb	3.39
Dextrin, corn 140 lb bags c/l 100 lb	lb	3.67
Bags lc/l	lb	3.09
Potato 140 lb bags c/l 100 lb	lb	3.37
Bags lc/l	lb	.02
Bags lc/l	lb	.09½ : .09¾
Prussian blue	lb	.60 : .62
Sage Flour, 150 lb bags	lb	.03½ : .03¾
Spray Yolk 150 lb cs.	lb	.35 : .45
STARCH, powd. 140 lb bgs.c/100 lb	lb	2.47
Bags lc/l	lb	2.75
Pearl, 140 lb bags c/l 100 lb	lb	2.37 : 2.65
Potato, domestic, 140 lb bags	lb	.05½ : .05¾
Imported, bags duty paid	lb	.06 : .07½
Tapioea Flour, high grade bags	lb	.05 : .05½
Medium grade, bags	lb	.03½ : .04
Low grade, bags	lb	.03 : .03½
Turkey Red Oil, bbls.	lb	.09 : .11
Volk Oil, bbls.	lb	.35

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Acetoides Gum, yel.,.....lb	.18	: .20	Bamboo Brier Root, bags.....lb	.06	: .08	Cantharides, Russian, cases.....lb	3.25	: 3.30
ACONITE Leaves, bales.....lb	..	: .25	Barberry Bark, tree bales.....lb	.21	: .22	Powdered, boxes.....lb	3.70	: 3.75
Aconite Root, USP bags.....lb	.23	: .25	Bayberry Bark, bales.....lb	.10	: .12	Caraway Seed, African bags.....lb	..	: ..
Agar Agar, 1, 200lb bales.....lb	1.48	: 1.50	Wax, bbls.,.....lb	.21	: .22	Dutch, 100lb bags.....lb	.19 1/4	: .20
No. 2, bales.....lb	1.35	: 1.40	Belladonna Leaves, bales.....lb	.12	: .13	Cardamom, bleached cases.....lb	.73	: 1.15
No. 3, bales.....lb	1.25	: 1.30	Root, bags.....lb	.12	: .14	Decorticated, cases.....lb	.61	: .63
Agarie, white, cases.....lb	..	: ..	Bees Wax, white bbls.....lb	.30	: .32	Green, grinding, bags.....lb	.65	: .66
Almonds, bitter bags bbs.....lb	.25	: .30	Yellow, refined bbls.....lb	.23	: .24	Carnauba Wax, Flor. bags.....lb	.45	: .48
Sweet, bags.....lb	.30	: .35	Crude, bags.....lb	.20	: .22	No. 1 N Country bags.....lb	.40	: .43
Mead, thrs, boxes.....lb	.28	: .30	Benzoin Gum, Stam, boxes.....lb	1.40	: 1.60	No. 2 N Country bags.....lb	.23	: .25
Aletris Root, bags.....lb	.55	: .60	Sumatra, 80lb boxes.....lb	.47	: .50	No. 3 Fatty Gray, bags.....lb	.20	: .21
Alkanet Root, bags.....lb	.08	: .09	Berberis Aquifolium Root, bags.....lb	.16	: .17	No. 3 Chalky, bags.....lb	.17	: .18
Aloes, Barbadoes, 120lb bbls.....lb	..	: .60	Beth Root, bags.....lb	.15	: .16	Cascara Amarga, 150lb bales.....lb	.32	: .33
Cape, 400lb cases.....lb	.07 1/2	: .08	Blackhaw Bark, root, bales.....lb	.30	: .31	Cascara Sagrada, bales.....lb	.12	: .15
Curacao, 100lb cases.....lb	.06	: .06 1/2	Tree, bales.....lb	.15	: .16	Cascarilla Bark, quills bales.....lb	.30	: .35
Socotrine, whole 100lb cs.....lb	.30	: .35	Blood Root, bags.....lb	.14	: .15	Siftings, bbls.....lb	.20	: .25
Althea Root, cut cases.....lb	.13	: .14	Blueflag Root, bags.....lb	.23	: .25	Cassia Buds, 66lb cases.....lb	.12 1/2	: .13
Whole bags.....lb	.08	: .10	Boneset Herb, bales.....lb	.09	: .11	China, select, mats cases.....lb	.05 1/2	: .06 1/2
Ambergris, black boxes.....lb	..	: 8.00	Borage Flowers, bales.....lb	..	: .25	Saigon, assort. bales.....lb	.25	: .25 1/2
Grey, boxes.....lb	..	: 28.00	Bryonia Root, bags.....lb	.10	: .12	Cassia Fistula, baskets.....lb	.08	: .08 1/2
Ammoniac, tears bags.....lb	1.50	: 1.60	BUCHU LEAVES, short, 250lb	..	: ..	Castor Beans, bags.....lb	.03	: .03 1/2
Angelica Root, dom bags.....lb	.15	: .16	bales.....lb	1.00	: 1.02	Castoreum, 1lb bot.....lb	..	: 4.00
Angostura Bark, bags.....lb	.14	: .15	Less bales.....lb	1.05	: 1.10	Catechu Gum, bags.....lb	..	: .10
Anise, Levant bags.....lb	.17	: .17 1/2	Long, bales.....lb	..	: ..	Catinip Herb, bales.....lb	.10	: .15
Star, cases.....lb	.14 1/2	: .15	Buckthorn Bark, bales.....lb	.07 1/2	: .08	Celery Seed, 220lb bags.....lb	.20	: .20 1/2
Spanish, bags.....lb	.18	: .18 1/2	Burdock Root, bags.....lb	.20	: .22	Ceresin Wax, white bags.....lb	.08 1/2	: .09
Annato Seed, bags.....lb	.03	: .03 1/2	Burgundy Pitch, dom. 110lb stands	..	: ..	Yellow, 200lb bags.....lb	.07 1/2	: .08 1/2
ARABIC GUM, 200lb cases.....lb	.25	: .27	Gross for net.....lb	..	: .05	CHAMOMILE FLOWERS, Roman	..	: ..
Seconds, 250lb bags.....lb	.20	: .22	Calabar Beans, bags.....lb	.17	: .18	bales.....lb	.75	: .80
Sorts, amber, 200lb bags, bbs.....lb	.15	: .15 1/2	Calamus Root, bleached cases.....lb	.40	: .42	Hung. cases bales.....lb	.23	: .25
Powd., USP 300lb bbls.....lb	.20	: .22	Unbleached, bags.....lb	.10	: .11	Charcoal Willow, powd. bbls.....lb	.06	: .07
Areca Nuts, 150lb bags.....lb	.09	: .10	Calendula Petals, imp. bales.....lb	..	: .40	Wood, powd bbls.....lb	.04	: .04 1/2
Powd., 200lb bbls.....lb	.12	: .14	Calisaya Bark, bales.....lb	.12	: .14	Chestnut Bark, bags.....lb	.07	: .08
Arnica Flowers, bales.....lb	.09	: .10	Camphor, see Chemicals	..	: ..	Herb, bales.....lb	.06	: .06 1/2
Root, bags.....lb	..	: .50	Canary Seed, Morocco bags.....lb	.06	: .06 1/2	Chicle Gum, bags.....lb	.70	: .75
Arrowroot, Amer. powd. bbls.....lb	.05	: .06	South American, bags.....lb	.04	: .04 1/2	Chiffre, bales.....lb	.13	: .14
St. Vincent, powd. bbls.....lb	.07 1/2	: .08	Candella Wax, bags.....lb	..	: .35	Cinchona Bark, red quills bales.....lb	.50	: .55
Asafetida, USP, 250lb cases.....lb	.35	: .38	Candella Alba Bark, bales.....lb	.45	: .47	Broken, bales.....lb	.12	: .14
Powd., 50lb bbs.....lb	.60	: .62	Cannabis, true imp. bags.....lb	..	: 6.00	Cinnamon, Ceylon, bales, bond.....lb	.16	: .20
BALM GILEAD BUDS, bags.....lb	.43	: .48	American (no assay) bales.....lb	.35	: .50	Civet, Abyssin horns.....lb	2.75	: 2.85
Balmory Herb, bales.....lb	.14	: .15	USP, bales.....lb	..	: 1.25	Clover Tops, bags.....lb	.10	: .12
			Cantharides, Chinese cases.....lb	1.05	: 1.10	Cloves, Zanzibar, 135lb bales.....lb	.31	: .32
			Powd., boxes.....lb	..	: 1.25	Amboyans, bales.....lb	..	: ..
						Pensang, bales.....lb	..	: ..

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Cochineal, USP boxes.....D	.35	.45	Dogwood Bark, Jamaica bags.....D	.10	.11	Grindelia Robusta Herb, bales..D12
Coca Leaves, Huancayo bags.....D	...	...	Flowers, bales.....D	...	.15	Guaiac Gum, 200 lb cases.....D	.60	.65
Truxillo, bags.....D	...	.60	Doggrass Root, USP cut bags.....D	.08½	.10	Guarana, tins, cases.....D	.60	.75
Cobosh Root, Black bags.....D	.08	.08½	Dragons Blood, mass cases.....D	.60	.62	Gum, see Arabic Gum, etc.		
Blue, bags.....D	.09	.09½	Reeds, boxes.....D	.90	.95	HELLEBORE ROOT,		
Colchicum Root, bags.....D	.08½	.09	ECHINACEA ROOT, bags.....D	.33	.34	Black, pwt. bbls.....D	...	.15
Seed, bags.....D	.12	.13	Elecampane Root, bags.....D	.09	.10	White, bags.....D	.10	.11
Colombo Root, whole bags.....D	.03	.04	Elder Flowers, bales.....D	.22	.23	Powdered, 250 lb bbls.....D	.12	.13
Celocynth, apples cases bbls.....D	.20	.22	Elemi Gum, 80 lb cases.....D	.10	.12	Helonias Root, (unicorn false)		
Pulp, USP bales.....D	.25	.30	Elm, select 5 lb bundles cases..D	.27	.28	bags.....D	.60	.62
Caltfoot Leaves, bags.....D	.07	.07½	Grinding, bags.....D	.12	.14	Hemp Seed, Manchurian bags.....D	.03½	.04½
Comfrey Root, bags.....D	.20	.21	Powdered, bbls.....D	.14	.17	Chilian, bags.....D	...	...
Condurango Bark, bales.....D	.07	.08	ERGOT, 150-200 lb bags.....D	.58	.60	Hennane Leaves, bales.....D	.42	.43
Conium Seeds, bags.....D	.15	.16	Eucalyptus Leaves, bales.....D	.05	.05½	Henna Leaves, bales.....D	.24	.25
Copaiba Balsam Para 80 lb casesD	.24	.25	Euphorbia Piliifera Herb, bags..D	.14	.15	Honey, Calif. 120 lb cases.....D	...	.11
S. Amer. 80 lb cases.....D	.29	.30	Euphorbium Gum, cases.....D	...	.35	Hope, N. Y. prime bales.....D	.23	.25
Copal Gum.....D	.12	.15	Powdered, boxes.....D	...	.40	Pacific Coast prime bales.....D	.18	.20
Coriander Seed, Bombay bags.....D	...	...	Fennel Seed, French bags.....D	.12½	.13	Horehound Herb, bales.....D	.09	.09½
Morocco, bags.....D	.12½	.13½	German, bags.....D	.20	.22	Horsetail Rush, bags.....D	.14	.15
Bleached, bags.....D	.16	.16½	Flax Seed, whole 180 lb bbls.....es	12.00	12.25	INDIA GUM, see Karaya		
Corn SHUK, bales.....D	.05½	.06	Ground, 180 lb bbls.....D	.06½	.07	Insect Flowers, open whole bales..D	...	.44
Cotton Root Bark, bales.....D	.13	.14	Foenugreek Seed, 200 lb bags.....gal	.06	.07	Closed whole, bales.....D	...	...
Cramp Bark, so-called bales.....D	.08	.09	Fir Balsam, Canada cans.....gal	10.75	11.00	Powdered, pure 200 lb bbls.....D	.51	.52
True, bags.....D	.40	.42	Oregon, bbls. cans.....gal	1.35	1.45	Flowers and stems, 50 p. e.		
Cranehill Root, bags.....D	.12	.13½	Fish Berries, 100-125 lb bags.....D	.03½	.04	200 lb bbls.....D	.31	.33
CUBES BERRIES, XX bags.....D	.80	.82½	Fringe Tree Bark, bags.....D	.18	.20	Ipecac Root Cartagena bags.....D	...	1.55
Powdered, boxes.....D	.85	.87½	GALANGAL ROOT, bags.....D	.07	.08	Powdered, 200 lb bbls, boxes..D	1.75	1.80
Cumin Seed, Levant bags.....D	...	...	Gambler Gum, bags.....D	...	.06½	Rio Whole, bags.....D	...	1.55
Morocco, bags.....D	.30	.31	Galbanum Gum, cans.....D	1.05	1.10	Powdered, 200 lb bbls, boxes..D	1.75	1.80
Culvers Root, bags.....D	...	...	Gamboge Gum, 160 lb cases.....D	1.08	1.15	Istiglans, American, 130 lb cs..D	.65	.70
Cuttlefish Bone, Trieste, straps..D	.19	.20	Gelsemium Root, bags.....D	.11	.12	Russian, (Beluga) box ctns.....D	...	10.00
Jewellers, large, straps.....D	.45	.50	Gentian Root, bags.....D	.08½	.10½	JABORANDI LEAVES, bales.....D	.28	.29
Small, straps.....D	.35	.40	Ginger, African, bags.....D	.10½	.11	Jalap Root, whole 150 lb bags..D	.25	.27
French, straps.....D	...	.30	Jamaica, grinding, bags bbls..D	.33	.43	Powdered, USP 250 lb bbls.....D	.29	.31
Powdered, boxes.....D	...	.14	Japan, bags.....D	.12	.12½	Japan Wax, 224 lb cases.....D	.14½	.15
Damar Gum, 136 lb cases.....D	.32	.34	Cochin, ABC & lemon, bags.....D	.12½	.12½	Job's Tears, white bags.....D	.08	.09
Damiana Leaves, bales.....D	.10½	.11	Ginseng Root, cultivated, bags..D	7.50	10.00	Juniper Berries, 125 lb bags.....D	.03	.03½
Dandelion Root, Imp. bags.....D	...	.09	Northwestern Wild, bags.....D	12.00	15.00	KAMALA, boxes.....D	3.20	3.25
Deer Tongue Leaves, bales.....D	.07½	.08	Southern Wild, bags.....D	9.00	11.00	Karaya Gum, powdered bbls.....D	.15	.20
Digitalis Leaves, bales.....D	.06½	.07	Golden Seal Root, bags.....D	3.30	3.35	Kava Kava Root, bags.....D	.16	.17
Dill Seed, bags.....D	.10	.10½	Powdered, boxes.....D	3.60	3.75	Kino Gum, black cases.....D	...	.50
			Grains of Paradise, bags.....D	.12	.13	Kola Nuts, 150 lb bags.....D	.05	.06
						Kousso Flowers, bags.....D	...	2.50

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LADY SLIPPER ROOT, bags....lb	.. :	.50	Musk, pods Cabardine tins....cm	16.00 :	17.00	Patchouli Leaves, bales.....lb	.25 :	.33
Larkspur Seed, bags.....lb	.22 :	.23	Tonquin .....cm	22.00 :	25.00	Pepper, black Sing, bags.....lb	.09% :	.10%
Laurel Leaves, bales.....lb	.04% :	.05	Grain Cab. ....cm	25.00 :	26.00	White, bags.....lb	.12% :	.13
Lavender Flowers, bales.....lb	.35 :	.40	Tonquin .....cm	35.00 :	38.00	Peppers, red Mombasa bags.....lb	.32 :	.33
Leeches, tube .....Per 100	9.00 :	9.50	Synthetic, see Chemicals.			Cherries, bags.....lb	.16% :	.17
Lemon Peel, bags.....lb	.08 :	.08%	Musk Root, Russian bags.....lb	.. :	..	Bombay, bags.....lb	.14 :	.14%
Licorice Root, Russian cut.....lb	.. :	..	Mustard Seed, Bari brown bags..lb	.07% :	.08	Japan, bags.....lb	.38 :	.39
Spanish, natural bales.....lb	.09% :	.10	Bombay, brown .....lb	.06% :	.06%	Pennyroyal Herb, bales.....lb	.08 :	.14
Powdered, bbls.....lb	.10% :	.12%	California, brown .....lb	.07% :	.08	Peppermint Leaves, imp. bales..lb	.18 :	.20
Selected, 2 & 5 lb bundles..lb	.13% :	.25	Yellow .....lb	.. :	.04%	Peru Balsam, 120 lb kegs.....lb	1.70 :	1.75
Cuttings, 125 lb bags.....lb	.09 :	.10	Chinese, yellow .....lb	.04 :	.04%	Pichi Leaves, bags.....lb	.. :	.18
Life Everlasting Herbs, bales...lb	.05 :	.08	English, yellow .....lb	.08 :	.09	Pimento, select bags.....lb	.04% :	.04%
Lime Juice, clarified bbls.....gal	.50 :	.60	Dutch, yellow .....lb	.08 :	.08%	Pink Root, true bags.....lb	.. :	.95
Linden Flowers, with leaves, baleslb	.. :	.35	Danish, yellow .....lb	.07% :	.09	Pitch, Burgundy, see Burgundy Pitch		
Without Leaves, bales.....lb	.. :	.30	Myrrh Gum, select 300 lb cs...lb	.50 :	.55	Flourisy Root, bags.....lb	.32 :	.33
Liverwort Leaves, bales.....lb	.. :	.35	Sorts, cases.....lb	.45 :	.45	Plantain Leaves, bales.....lb	.. :	.15
Lobelia Herb, bales.....lb	.10 :	.12	NUTGALLS, Chinese bags.....lb	.16 :	.17	Poke Berries, bags.....lb	.. :	.16
Lobelia Seed, bags.....lb	.. :	.70	Aleppy, bags.....lb	.13 :	.14	Poke Root, bags.....lb	.07 :	.07%
Lovage Root, bags.....lb	.30 :	.35	Nutmegs, 110s cases.....lb	.21 :	.22	Pomegranate Bark, of root bags..lb	.. :	.30
Lupulin, boxes.....lb	1.25 :	1.30	75s 80s cases.....lb	.24 :	.24%	Of Fruit, bags.....lb	.. :	.30
Lycopodium, 88 lb cs.....lb	.72 :	.75	Nux Vomica Buttons, bags.....lb	.07 :	.07%	Poppy Flowers, red bags.....lb	.30 :	.35
MACE, Siau, No. 1 cases.....lb	.41% :	.42	Powdered, 200 lb bbls.....lb	.10% :	.11	Poppy Seed, Dutch bags.....lb	.12 :	.12%
Banda, No. 1 cases.....lb	.44 :	.45	SAK BARK, red bags.....lb	.05 :	.08	German, bags.....lb	.12 :	.12%
Batavia, cases.....lb	.36 :	.37	White, bags.....lb	.05 :	.08	Turkish, bags.....lb	.08 :	.08
Malva Flowers, blue bales.....lb	.35 :	.38	Oilbanum Gum, sift 280 lb cases..lb	.10% :	.11	Blue Indian, bags.....lb	.08 :	.08%
Black, bales.....lb	.95 :	1.00	Tears, 280 lb cases.....lb	.14% :	.15	White Indian, bags.....lb	.07 :	.07%
Manna, large flake cases.....lb	.65 :	.70	No. 1, all white, 280 lb cases	.. :	.30	Prickly Ash Bark Southern, bags lb	.14 :	.14%
Small flake, cases.....lb	.38 :	.40	Opium, gum USP cases.....lb	.. :	6.75	Northern, bags.....lb	.14 :	.14%
Sorts, cases.....lb	.36 :	.37	Granular, cans.....lb	.. :	7.75	Prickly Ash Berries, bags.....lb	.11 :	.12
Mandrake Root, bags.....lb	.17 :	.18	Powdered, USP cans.....lb	.. :	7.75	Prick's Pine, bales.....lb	.14 :	.15
Mastic Gum, 120 lb cases.....lb	.60 :	.65	Orange Flowers, cases.....lb	.. :	1.00	Pulsatilla Herb, bags.....lb	.. :	.40
Mecoreon Bark, bags.....lb	.11 :	.12	Orange Peel, bitter bags.....lb	.05% :	.05%	Pumpkin Seed, bags.....lb	.14 :	.15
Matteo Leaves, bales.....lb	.18 :	.20	Sweet, bags.....lb	.05% :	.05%	QUASSIA CHIPS, bags.....lb	.07% :	.08
Marjoram Leaves, German bales..lb	.22% :	.23%	Orris Root Florentine bold bags lb	.07 :	.08	Queen of the Meadow Herb, bags..lb	.06 :	.06%
French, bales.....lb	.13% :	.18	Verona, bags.....lb	.05 :	.08	Quince Seed, bags.....lb	.. :	..
Millet Seed, dom. yellow bags...lb	.03% :	.06	Powdered, 200 lb bbls.....lb	.08 :	.09	HAPE SEED, South Amer. bags..lb	.06% :	.07%
Montan, Wax, crude bags.....lb	.04% :	.05	Fingers, cases.....lb	.75 :	.80	Dutch, bags.....lb	.08% :	.08%
Bleached.....lb	.. :	..	Osokerite Wax, brown hard bags..lb	.22 :	.24	Japanese, small, bags.....lb	.06% :	.07%
Moss, Iceland bales.....lb	.07 :	.08	Green, hard bags.....lb	.25 :	.26	Raspberries, dried boxes.....lb	.35 :	.40
Irish, bleached bales.....lb	.07 :	.09	Refined, yellow bags.....lb	.. :	..	Red Saunders.....lb	.18 :	.20
Mullein Flowers, tins.....lb	.55 :	.60	PAPRIKA, bags.....lb	.16 :	.24	Rhazany Root, bags.....lb	.10 :	.11
			Pareira Brava Root, bags.....lb	.23 :	.25	RHUCARB, H. D. cases.....lb	.44 :	.47
			Parsley Seed, bags.....lb	.08 :	.09	Powdered, 200 lb bbls.....lb	.50 :	.52
						Rosemary Leaves, bales.....lb	.03 :	.04



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Rosemary Flowers, cases bales...D	.28	: .30	Snake Root, Canada natural bags...D	...	: .35	Tragacanth Gum, No. 1, ribbon,		
Rose Petals, pale .....	.25	: .30	Stripped, bags .....	.48	: .50	200 lb. cs. ....D	1.75	: 1.80
Red .....	...	: .65	SOAP BARK, whole, 150-200 lb.			No. 2 to No. 6, cases ....D	1.00	: 1.50
Rue Herb, bales .....	.25	: .30	baies .....	.06 1/4	: .07	Powdered, 50 lb. boxes ....D	1.00	: 1.50
SABADILLA SEED, bags .....	.12	: .13	Cut, 125-175 lb. bags .....	.07 1/4	: .08	Turkish, cases .....	.75	: .90
Powder, boxes .....	.13	: .14	Crushed, 200 lb. bbls. ....D	.08 1/4	: .09	Turneric Root, Madras bags ....D	.07	: .07 1/4
Saffron Flowers, Amer. bales ....D	1.40	: 1.45	Powdered, 200 lb. bbls. ....D	.13	: .13	Aleppy, bags .....	.06 1/4	: .06 1/4
Valencia 1 lb. cases	31.00	: 32.00	Spearmint Leaves, American bales...D	.23	: .24	China, bags .....	.05 1/4	: .06
Sage, Dalmatian bales .....	.05	: .06	Spermaceiti, blocks cakes cases...D	.36	: .37	Turpentine, Venice, true 80 lb. cs. D	.28	: .30
Greek, bales .....	.03 1/4	: .04	Spikenard Root, bags .....	.16	: .17	Artificial, 80 lb. cases .....	.09 1/4	: .12
Spanish, bales .....	.03	: .04	Spruce Gum, boxes	1.00	: 1.50	Spirits, see Naval Stores		
Sandalwood, chips bags .....	...	: .35	Squaw Vine, bales .....	.17	: .18	UNICORN ROOT, false, see Helonias		
Ground, bags .....	...	: .40	Squill Root, white bags .....	.04	: .04 1/4	True, see Aletris		
Sandarac Gum, 300 lb. bbls. ....D	.25	: .27	Stavesacre Seed, bags .....	.29	: .30	Uva Ursi Leaves, bales .....	.05 1/4	: .06
Sarsaparilla, Honduras bales ....D	.50	: .52	Stillingia Root, bags .....	.09	: .09 1/4	VALERIAN ROOT, Belgian bags...D	.12	: .14
Mexican, bales .....	.24	: .25	Stone Root, bags .....	.09	: .10	Vanilla Beans Mex. whole cases...D	10.00	: 12.00
Sassafras Bark, ordinary bales...D	.10	: .14	Storax, liquid artif. ....D	.70	: .75	Cuts, cases	7.00	: 7.25
Select, bales .....	.20	: .22	Gen. USP .....	.90	: 1.00	Bourbon, cases	2.75	: 3.25
Savory Leaves, bales .....	.09 1/4	: .10	St. Ignatius Beans, bags .....	...	: .22	South American, cases	7.00	: 7.25
Saw Palmetto Berries, bags .....	.12	: .13	St. John's Bread, bags .....	.03	: .06	Tahiti, yellow label cases	1.80	: 2.00
Scammony Resin, boxes	1.00	: 1.10	Stramonium Leaves, bales ....D	.07 1/4	: .08	Green Label cases	1.80	: 2.00
Scammony Root, bags .....	.05	: .06	Stramonium Seed, bags .....	.13	: .14	Violet Flowers, bags .....	...	: .70
Senega Root, bags .....	.75	: .80	Strophanthus Seed, Hlpidus ....D	...	: ...	WANOO BARK, of root bags .....	...	: 1.25
SENNA, Alex, 150 lb. cases .....	.32	: .35	Kombe, bags .....	...	: .35	Of Tree, bags .....	.25	: .26
Half Leaf, 350 lb. bales .....	.16	: .17	Sunflower Seed, domestic bags ...D	.07	: .07 1/4	White Pine Bark, roased, bags...D	.06	: .07
Siftings, 400 lb. bales .....	.09	: .09 1/4	South American, bags .....	.05 1/4	: .06 1/4	White Poplar Bark, bags .....	.04	: .05
Powdered, 200 lb. bbls. ....D	.12	: .13	TAGALDER BARK, bags .....	.05	: .05 1/4	Wild Cherry Bark, thin green		
Tinoverly, job, 350 lb. bales...D	.10	: .14	Tamarinds, bbls. ....D	.04	: .04 1/4	Rosned, bales .....	.10	: .13
Grinding, 350 lb. bales .....	.06	: .06 1/4	Kegs	2.75	: 3.00	Thick Rosned, bales .....	.06 1/4	: .07
Poda, 350 lb. bales .....	.04 1/4	: .07	Tansy Leaves, bales .....	.18	: .20	Thin Natural, bales .....	.07	: .07 1/4
Powdered, 200 lb. bbls. ....D	.04	: .09	Tar, Barbadoes, 50 gal. bbls. gal.	1.60	: 1.75	Thick Natural, bales .....	.04 1/4	: .05
Serpentaria Root, bags .....	.85	: .90	Thus Gum, bbls. ....100 lb	4.50	: 6.00	Willow, bark bags .....	...	: .06
Shellac, T.N., bags .....	.70	: .72	Thyme, Spanish bales .....	.07 1/4	: .08	White, bags .....	...	: .15
Superfine Orange, bags .....	.75	: .80	French, bales .....	.09 1/4	: .09 1/4	Witch Hazel Bark, bags .....	...	: .08
D. C., bags .....	.95	: 1.00	Tilla, See Linden			Witch Hazel Leaves, bales .....	...	: .09
V. S. O., cases .....	.98	: 1.00	Tolu Balsam, 90 lb. cases .....	.70	: .75	Worm Seed, American bags .....	.10	: .11
Fwd. res., 350 lb. bbls. ....D	.80	: .82	Tonga Bark, bags .....	.30	: .31	Levant, bags .....	...	: 3.30
Regular Blesched, 350 lb. bbls. D	.78	: .80	Tonka Beans, Angostura cases ...D	2.00	: 2.25	Wormwood Herb, imported bales...D	.10	: .13
Regular Dry, 350 lb. bbls. ....D	.82	: .84	Para, cases .....	.80	: .85	Yacca Gum, red .....	.04	: .04 1/4
Sideritis Herb, cut bags .....	.14 1/4	: .16	Surinam, cases .....	.85	: .85	Ground .....	.05 1/4	: .06 1/4
Simaruba Bark, bales .....	.12	: .13				YELLOW DOCK ROOT, bags .....	...	: .12
Skullcap Leaves, bales	: .20				Yellow Parilla Root, bags	: .30
Sloe Berries, bags03	: .04				Yerba Santa, bags10	: .11
						Zedoary Root, bags	: .10

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Almond, Bitter USP 5 lb. bots.	4.00	: 4.25
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Artificial. (See Benzaldehyde—Chemicals)		
Sweet, 56 lb. cans.	.40	: .45
Peach Kernel, 55 lb. tins.	.25	: .37
Apricot, see Peach Kernel		
Amber, crude 25 lb. tins.	.75	: .80
Rectified, 25 lb. tins.	1.00	: 1.10
Angelica Root, 1 lb. bot.	38.00	: 39.00
Seed, 1 lb. bot.	36.00	: 38.00
ANISE, Tech., 66 lb. case.	.50	: .55
USP 50 lb. tins.	.55	: .60
Bay, 25 lb. tins.	2.50	: 2.75
Bergamot, USP 25 lb. coppers.	3.00	: 3.15
Artificial, 25 lb. cans.	2.25	: 2.50
Birch Tar, rect. 5 lb. bot.	...	: 2.75
Crude, 50 lb. tins.	...	: 1.75
Bois de Rose, 25 lb. tins.	2.40	: 2.65
Cajuput, native 50 lb. tins.	.75	: .80
Cade, USP 25 lb. tins.	.50	: .55
USP, 5 lb. bot.	.60	: .65
Calamus, 5 lb. bot.	4.25	: 4.75
Camphor, heavy, 1000 lb. drums.	.11 1/4	: .12
Japanese, white, 72 lb. cases.	.16	: .18
Chinese, white 1000 lb. drums.	.16	: .18
Cananga, Native 25 lb. tins.	2.25	: 2.50
Rectified, 25 lb. tins.	2.50	: 2.75
Caraway, USP rec. 25 lb. tins.	4.25	: 4.50
Crude, 50 lb. tins.	...	: ...
Cardamom, USP 1 lb. bot.	13.00	: 14.00
Carrot, 5 lb. bot.	7.00	: 7.25
CASSIA, 75-80 p e 66 lb. cases.	1.35	: 1.40
Redistilled, USP 50 lb. cans.	1.85	: 1.75
Cedar Leaf, 50 lb. tins.	.85	: 1.00
Cedar Wood, light 1000 lb. drums.	.25	: .26
Celery, 1 lb. bot.	9.00	: 10.00
Cinnamon, Ceylon 1 lb. bot.	12.00	: 15.00
Leaf, 5 lb. bot.	...	: 2.00
CITRONELLA, Ceylon, 400 lb. drs.	.46 1/4	: .48
50 lb. tins.	.48 1/4	: .50
Java, 400 lb. drums.	.68	: .72
50 lb. tins.	.75	: .80
Cloves, USP, 50 lb. cans.	2.00	: 2.10
6 lb. bot.	2.10	: 2.20

Copaiba, USP 50 lb. tins.	.40	: .45
Coriander, USP 1 lb. bot.	22.00	: 22.50
Croton, USP 25 lb. tins.	1.00	: 1.10
Cubeba, USP 5 lb. bot.	5.75	: 6.00
Cumin, 1 lb. bot.	10.00	: 12.00
Dill, 1 lb. bot.	...	: 5.00
Erigeron, 20 lb. tins.	1.25	: 1.35
EUCALYPTUS, Austl. USP		
56 lb. cs.	.40	: .45
Fennel USP, 25 lb. tins.	1.40	: 1.50
Geranium, Algerian 25 lb. tins.	8.50	: 9.50
Bourbon, 25 lb. tins.	5.00	: 5.25
Turkish, 25 lb. tins.	4.50	: 5.00
Ginger, 1 lb. bot.	5.25	: 5.50
Gingergrass, 25 lb. tins.	2.75	: 3.00
Hemlock, 50 lb. cans.	1.10	: 1.25
Juniper Berries, USP 25 lb. tins.	1.00	: 1.20
Wood, 50 lb. tins.	.50	: .60
Lavender, USP, 28 lb. tins.	3.00	: 4.00
Spike, Spanish 50 lb. cans.	.70	: .80
LEMON, Ital. USP, 25 lb. tins.		
American, USP, 25 lb. tins.	.70	: .75
Lemongrass, native, 50 lb. cans.	.75	: .85
Limes, express 25 lb. tins.	2.00	: 2.25
Distilled 25 lb. tins.	.50	: .55
Linaloe, Mex. 80 lb. cases.	2.15	: 2.35
Mace, distilled 50 lb. tins.	.95	: 1.05
Mirbane, ref., see Ar. Chemicals	...	: 17.00
Mustard, USP, 1 lb. bot.	...	: 2.75
Artif., USP, 5 lb. bot.	2.50	: 2.80
100 lb. cases	...	: 2.30
Neroli, Bigarade 1/4 and 1 lb. bot.	75.00	: 80.00
Petale, 1 lb. bot.	90.00	: 100.00
Artificial, 1 lb. bot.	10.00	: 25.00
Nutmeg, USP, 25 lb. tins.	.85	: .95
Orange, bitter 25 lb. tins.	1.90	: 2.00
Sweet, W. Ind., 25 lb. tins.	2.40	: 2.50
Italian, 25 lb. cop.	2.60	: 2.70
American, 25 lb. tins.	2.90	: 3.00
Origanum, 50 lb. cans.	.25	: .30
Parley, 1 lb. bot.	5.00	: 5.50
Patchouli, 5 lb. bot.	8.25	: 12.00
Pennyroyal, dom 25 lb. tins.	1.95	: 2.25
Imported, 25 lb. tins.	1.65	: 1.75
PEPPERMINT, nat. 60 lb. cases.	2.60	: 2.70
Rectist., USP, 60 lb. cases.	2.85	: 3.00

Petit Grain, S. Am. 25 lb. tins.	1.60	: 1.70
French, 1 lb. bot.	7.50	: 8.00
Pimento, 25 lb. tins.	1.80	: 1.90
Pinus Sylvestris, 25 lb. tins.	...	: 1.75
Pumilio, USP 25 lb. tins.	...	: 3.00
Rose, Fr., 8, 16 & 32 oz pkgs. cs.	...	: 9.00
Bulg., 8, 16 & 32 oz pkgs. cs.	5.50	: 6.50
Artificial, 1 lb. bot.	2.00	: 3.00
Rosemary, USP 27 1/2 lb. tins.	.60	: .65
Tech., 27 1/2 lb. tins.	.40	: .50
Rue, 1 lb. bot.	4.35	: 4.50
Sandalwood, E Ind USP 40 lb. cases.	6.65	: 6.80
W. Indian, (Amyris) 25 lb. tins.	4.00	: 4.10
Sassafras, USP 50 lb. cans.	.85	: .90
Artificial, 63 lb. cans, 1000 lb. drs.	.42	: .45
Savin, 5 lb. tins.	3.75	: 4.00
Spearmint, USP 60 lb. cases.	2.50	: 2.60
Spruce, 50 lb. tins.	1.10	: 1.25
Tansy Amer., 20 lb. tins.	9.00	: 9.50
Tar, 50 gal. bbls.	24 1/2	: .28
Refined, USP 25 lb. tins.	...	: ...
Thyme, red, USP 25 lb. tins.	.90	: 1.00
White, USP 25 lb. tins.	1.00	: 1.15
Crude, 110 lb. drums.	.85	: .90
Vetiver, Bourbon 1 lb. bot.	5.00	: 6.00
Java, 1 lb. bot.	25.00	: 28.00
Wine, heavy 1 lb. bot.	...	: 2.75
WINTERGREEN		
Sweet bch, 25 lb. tins.	2.80	: 3.00
Gaultheria, true 25 lb. tins.	4.00	: 7.00
Synthetic, USP 50 lb. cases.	...	: .44
Wormseed, Balt., USP 25 lb. tins.	3.25	: 3.50
Wormwood, dom., 25 lb. tins.	8.75	: 9.25
Ylang Ylang, Bourbon 10 lb. tins.	8.00	: 9.00
Manilla, 1 lb. bot.	30.00	: 35.00
Artificial, 1 lb. bot.	10.00	: 12.00
OLEORESINS		
Aspidium, USP 1 lb. bot.	2.75	: 3.00
Capicum, USP, 5 lb. bot.	2.25	: 2.35
Cubeb, USP 1 lb. bot.	5.35	: 5.50
Ginger, 5 lb. bot.	2.50	: 2.65
Malefern, See Aspidium	...	: ...
Mullein (so-called) 1 lb. bot.	...	: 1.50
Orris, 1 lb. bot.	...	: 18.00
Pepper, black, USP, 1 lb. bot.	3.50	: 4.00
Vanilla, 1 lb. bot.	9.00	: 9.50

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Anethol, 25 lb bot.....	D	1.60 : 2.00
Borneol, 1 lb bot.....	D	... : 3.50
Citronellal, 1 lb bot.....	D	2.00 : 2.25
CITRAL, 25 lb cans.....	D	2.80 : 3.25
EUCALYPTOL, USP, 25 lb cans.....	D	.80 : .85
Eugenol, USP, 25 lb cans.....	D	3.25 : 3.50
Geraniol, 50 lb cans.....	D	2.25 : 3.00
Pure, 5 lb bot.....	D	3.75 : 4.00
Iso-Eugenol, 1 lb bot.....	D	4.25 : 4.50
Linalool, 5 lb bot.....	D	4.75 : 5.00
MENTHOL, 60 lb cases.....	D	... : 7.00
Less cases, 5 lb cans.....	D	7.25 : 7.50
Rhodinol, 1 lb bot.....	D	15.00 : 16.00
SAFROL, 60 lb cans.....	D	.55 : .60
Thymol, USP, 10 lb cans.....	D	4.00 : 4.25

SYNTHETIC AROMATICS		
Acetaldehyde, 50% sol pure, 5 lb bot. D		1.75 : 2.00
Acetophenone CP, 1 lb bot.....	D	4.00 : 4.25
Amyl Acetate, pure, 5 gal cans. gal		5.00 : 6.00
Amyl Butyrate, 1 lb bot.....	D	2.00 : 2.10
Amyl Formate, 1 lb bot.....	D	1.75 : 2.00
AMYL SALICYLATE, 100 lb chys. D		1.25 : 1.40
Anisic Aldehyde, 1 lb bot.....	D	4.00 : 4.50
BENZALDEHYDE, USP, 40 lb chys D		1.40 : 1.50
FFC, 40 lb chys.....	D	1.60 : 1.70
Benzic Ether, See Ethyl Benzoate		
Benzyl Acetate, 100 lb chys.....	D	1.40 : 1.50
Benzyl Alcohol, 5 lb bot.....	D	1.25 : 1.50
BENZYL BENZOATE, 5 lb bot.....	D	1.90 : 2.00
Medicinal FFC.....	D	2.10 : 2.20
Benzyl Formate, 1 lb bot.....	D	2.50 : 3.00
Bromostyrol, 25 lb kegs.....	D	3.50 : 4.00

Butyric Ether, See Ethyl Butyrate		
Cinnamic Acid, 5 lb cans.....	D	2.75 : 3.00
Cinnamic Alcohol, liquid 1 lb bot. D		15.00 : 16.00
Crystallizable.....	D	24.00 : 25.00
Cinnamic Aldehyde, 1 lb bot.....	D	3.75 : 4.00
CITRONELLOL, 1 lb bot.....	D	8.00 : 12.00
COUMARIN, 25 lb cans.....	D	4.00 : 4.25
DIETHYL PHTHALATE, 25 lb cans D		.90 : 1.00
Diphenyl oxide, 25 lb tins.....	D	.85 : .90
Ethyl Acetate, pure, 5 lb bot.....	D	.45 : .50
Ethyl Benzoate, 5 lb bot.....	D	1.85 : 2.00
Ethyl Butyrate, 5 lb bot.....	D	2.00 : 2.25
Ethyl Cinnamate, 1 lb bot.....	D	5.00 : 5.50
Ethyl Formate, 5 lb bot.....	D	1.00 : 1.10
Ethyl Valerate, 5 lb bot.....	D	4.50 : 4.75
Formic Ether, See Ethyl Formate		
Geranyl Acetate, 1 lb bot.....	D	5.00 : 5.75
Heliotropin, 10 lb bot.....	D	2.35 : 3.00
Indol, CP, 100 bot.....	os	10.00 : 11.00
Ionone, 1 lb bot.....	D	5.50 : 8.00
Linalyl Acetate, 1 lb bot.....	D	8.00 : 9.00
Linalyl Benzoate, 1 lb bot.....	D	13.00 : 14.00
METHYL ANTHRANILATE, 1 lb bot. D		4.00 : 5.00
Methyl Cinnamate, 1 lb bot.....	D	5.50 : 5.75
Methyl Paracresol, 1 lb bot.....	D	8.00 : 9.00
METHYL SALICYLATE, USP 500 lb		
drums.....	D	... : .45
50 lb cases.....	D	... : .47
Second Hands.....	D	.43 : .44
Mirbane, rect. 1000 lb drums.....	D	.12 1/2 : .14
Musk Ambrette, 1 lb cans.....	D	14.00 : 15.00
Musk Ketone, 1 lb cans.....	D	12.50 : 13.00
Musk Xylene, 5 lb cans.....	D	3.00 : 3.25
Nerolin, 1 lb cans.....	D	2.00 : 2.50
Phenylacetaldehyde, 1 lb bot.....	D	7.50 : 9.00
Phenylacetic Acid, 1 lb bot.....	D	3.00 : 4.00
PHENYLETHYLALCOHOL 1 lb bot D		6.00 : 8.00
Phenylpropylalcohol, 1 lb bot.....	D	15.00 : 16.00

TERPINEOL, CP, 1000 lb drums. D		.50 : .60
Cans 50 lb.....	D	.65 : .60
Imported, 25 lb cans.....	D	.70 : .75
Terpinyl Acetate, 25 lb cans.....	D	1.75 : 2.00
VANILLIN, USP, 400 os cans.....	os	.43 : .45
Cans, 16 os, 80 os.....	os	.43 : .46
Second Hands, cans.....	os	.43 : .47
Valerianic Ether, See Ethyl Valerate		
Yara Yara, 1 lb cans.....	os	2.00 : 2.50

PERFUMERS' SUNDRIES

Almond Meal, 25 lb cans.....	D	.28 : .35
Ambergris, black, bxs.....	os	... : 8.00
Ambergris, gray, bxs.....	os	... : 28.00
Balsam Copaiba, Para, 80 lb cases D		.24 : .25
South American, 80 lb cases.....	D	.29 : .30
Balsam Peru, 60 lb cans.....	D	1.70 : 1.75
Balsam Tolu, 90 lb cases.....	D	.70 : .75
Benzoin Gum, Siam, bxs.....	D	1.40 : 1.60
Castoreum, 1 lb bot.....	D	... : 4.00
Chalk, precip. light, 175 lb bbls. D		.04 : .04 1/2
Cherry Laurel Water, 5 gal cans. gal		1.15 : 1.25
Civet Abyssin horn.....	os	2.65 : 2.80
Labdanum, 5 lb bot.....	D	... : 8.00
Lanolin hydrous, 350 lb bbls.....	D	.18 : .20
Anhydrous, 350 lb bbls.....	D	.22 : .24
Musk pods, Cabardine, tins.....	os	16.00 : 17.00
Tonquin, tins.....	os	22.00 : 25.00
Grains, Cabardine, tins.....	os	25.00 : 26.00
Tonquin, tins.....	os	35.00 : 38.00
Synthetic, See Aromatic Chemicals		
Orris Rt Flor, powd bbls.....	D	.09 : .10
Verona, bbls.....	D	.09 : .10
Rice Starch, 140 lb bgs.....	D	.08 : .09
Rose Water, 5 gal chys.....	gal	1.25 : 1.50
Sandalwood chips, powd, bags.....	D	.35 : .40
Saponin, 5 lb tins.....	D	1.50 : 1.75
Talc Italian, 220 lb bgs.....	ton	30.00 : 40.00
Talc French, 220 lb bags.....	ton	20.00 : 30.00
Talc, domestic ref., 100 lb bags.....	ton	20.00 : 30.00

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ACIDS—1 cse., Order, Antwerp; **Arsenic**, 73 drs., Brown Bros., Antwerp; **Arsenious**, 95 bbls., Amer. Metal Co., Tampico; **Carbolic**, 1 pkge., A. H. Pickering, Hull; 10 drs., Order, Manchester; **Cresylic**, 56 drs., Lunham & Moore, Rotterdam; 57 drs., Guaranty Trust Co., Rotterdam; 56 drs., A. Klipstein & Co., Hamburg; **Formic**, 200 cs., R. W. Greff & Co., Rotterdam; **Oxalic**, 40 csks., R. W. Greff & Co., Rotterdam; 40 csks., Innes Speiden & Co., Rotterdam; **Tartaric**, 200 csks., W. Benkert & Co., Rotterdam; 100 csks., Order, Rotterdam

AGAR AGAR—10 bbls., T. M. Duche & Sons, Kobe; 20 bbls., P. Puttman, Kobe

ALDS—400 cs., R. Desvernhe, Curacao; 33 cs., Suzarte & Whitney, Curacao; 1 cse., Gonzalos Ramos, Vera Cruz

ALUMINA—Hydrate, 500 bgs., R. W. Greff & Co., Rotterdam; 17 csks., A. Hurst & Co., Hamburg

AMMONIUM SALTS—Carbonate, 44 bbls., J. Munroe & Co., Hamburg; Nitrate, 2,095 csks., Order, Hamburg

ANTIMONY—Crude, 100 bgs., C. Gitlen, Hankow

ARGOLS—204 csks., Tartar Chem. Wks., Naples

ARSENIC—Crude, 580 cs., Chipman Chem. Engineering Co., Yokohama; **White**, 160 cs., C. L. Huisling, Inc., Yokohama; 240 cs., Meteor Product Co., Yokohama

BALSAM—56 cs., Internatl. Acceptance Bk., Para; Copalba, 61 cs., Order, Para

BARIUM—Chloride, 29 csks., A. J. Morse, Hamburg; 31 bbls., Charles Page & Co., Hamburg; 28 csks., Order, Hamburg

BARK—615 bgs., Anderson Hillier Co., Hamburg; **Cinchona**, 11 cs., S. B. Penick & Co., Rotterdam; 16 cs., Anderson Hillier Co., Rotterdam; 233 bbls., 20 cs., Order, Rotterdam

BERRIES—Juniper, 100 bgs., Order, Leghorn; 50 bgs., G. Segal Co., Leghorn; 150 bgs., Order, Leghorn; **Hawthorn**, 18 bgs., Brown Bros. & Co., London; 9 bgs., Order, London; 13 bbls., W. W. Merrell & Co., London

BISMUTH METAL—1 cse., Order, Southampton

CALCIUM—Chlorate, 400 csks., Order, Hamburg; Chloride, 168 drs., Order, Hamburg; **Permanganate**, 100 drs., Superfos Co., Hamburg

CAMPOR—200 cs., Hitherman & Co., Kobe; 100 cs., J. D. Lewis, Kobe

CARBOLIC—Crystals, 105 drs., Meteor Products Co., Hull

CASEIN—228 bgs., Order, Glasgow; 67 bgs., Whitehouse Davis Co., Hamburg

CELLULOSE—Acetate, 1 cse., H. A. Metz & Co., Rotterdam

CINCHONIDINE—5 cs., Order, Rotterdam

COCOA BUTTER—188 bbls., Order, Hamburg

COLORS—2 cs., O. Hommel & Co., Bremerhaven; 1 cse., Garfield Nat. Bk., Havre; 1 cse., A. W. Maas Co., Havre; 14 csks., Kuttroff Pickhardt & Co., Rotterdam; 2 csks., Hensel Bruckmann & Lorbacher, Rotterdam; 12 cs., Amer. Exch. Nat. Bk., Rotterdam; 1 cse., H. K. Ackerman, Rotterdam; 6 cs., 4 csks., B. Bernard, Rotterdam; 2 csks., N. Y. Color & Chem. Co., Rotterdam; 3 cs., H. A. Metz & Co., Rotterdam; 6 pkgs., Textile Alliance, Rotterdam; 4 csks., Order, Rotterdam; 6 csks., Order, Genoa; 2 csks., Penick & Co., Havre; 1 cse., Fezandie & Sperrle, Hamburg; 1 cse., A. Hurst & Co., Hamburg; 25 cs., H. Kohnstamm, Hamburg; 5 csks., F. Henjes, Jr., Hamburg; 6 cs., H. Pietzsch, Hamburg; 8 cs., H. Pietzsch, Hamburg; 8 kgs., Order, Danzig; **Alizarine**, 8 cs., Kuttroff Pickhardt & Co., Rotterdam; 1 cse., H. A. Metz & Co., Rotterdam; **Bronze**, 15 cs., Order, Bremerhaven; **Coal Tar**, 9 cs., H. A. Metz & Co., Rotterdam; 25 drs., Order, Glasgow; **Earth**, 10 csks., Order, Marseilles; 22 bbls., A. D. Nenschaefer, Hamburg

COPPER—Oxide, 7 csks., Intern. Composition Co., Hull; **Powder Preparation**, 3 cs., Morgauite Brush Co., Southampton; **Precipitate**, 8 csks., U. S. Metal Ref. Co., Liverpool; **Sulfate**, 70 csks., H. A. Watson & Co., Genoa; 73 bbls., Philipp Bros., Genoa

COPRA—33 bgs., Baker Coconut Co., St. Andrews; 24 bgs., Dunham Mfg. Co., St. Andrews; 58 bgs., Franklin Baker Co., Port Antonio; 1,300 bgs., T. Scott & Co., Trinidad

CREOLIN—1 cse., Order, Hamburg

CRESOL—30 kgs., Monsanto Chem. Wks., Liverpool

CUBEBS—56 bgs., Amer. Exch. Nat. Bk., Singapore; 6 bgs., Order, Singapore

DEXTRINE—290 bgs., Stein Hall & Co., Rotterdam

DIVI DIVI—384 bgs., Amer. Trdg. Co., Maracaibo; 195 bgs., Paris & Co., Maracaibo; 1,424 bgs., Selma Merc. Co., Curacao

EPSOM SALTS—150 bgs., Anglo So. Amer. Bk., Hamburg; 50 csks., 1,700 bgs., Order, Hamburg

EXTRACT—20 cs., C. E. Chapal Freres & Co., Havre; **Logwood**, 50 bbls., Logwood Mfg. Corp., Cape Haitien; **Rennet**, 4 bbls., 4 kgs., 4 drs., Meadows Wye & Co., Copenhagen

GAMBER—850 cs., Nat. Prov. & Union Bk., Asshan

FLOWERS—38 bbls., Anderson Hillier Co., Hamburg; 19 bbls., Peek & Velsor, Hamburg; 20 bbls., Anderson Hillier Co., Hamburg; **Chamomile**, 20 bbls., Anderson & Hillier Co., Antwerp; 57 cs., First Nat. Bk. Minneapolis, Antwerp; 25 cs., Murray & Nickell, Hamburg; **Dry**, 4 bbls., Order, Marseilles; **Lavender**, 32 bbls., Order, Marseilles

GARNET LAC—200 bbls., Order, Calcutta; 200 bgs., Lee Higginson & Co., Calcutta; 200 bgs., Order, Calcutta

GLYCERIN—50 drs., Order, Antwerp

GUM—7 cs., G. Lueders & Co., Havre; **Ben-zoin**, 12 cs., Peek & Velsor, London; 20 cs.,

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Sal Ammoniac 99%
Sodium Fluoride 96%

- McKesson & Robbins, London; Chiclé, 39 bbls., Order, Progreso; 7 bbls., Gomez & Sloan, Vera Cruz; 180 bbls., Order, Ciudad Bolivar; Copal, 46 bbls., S. Winterbourne & Co., London; 117 bbls., Baring Bros. & Co., Singapore; 373 bbls., Order, Antwerp; 646 bbls., Order, Antwerp; 140 bbls., Guaranty Trust Co., Singapore; 317 cs., National City Bank, Singapore; 262 bbls., Brown Bros. & Co., Singapore; Damar, 55 bbls., S. Winterbourne & Co., London; 200 cs., 128 bbls., L. C. Gillespie & Sons, Singapore; 240 bbls., Baring Bros. & Co., Singapore; 50 cs., 128 bbls., France Campbell & Darling, Singapore; 250 cs., 70 bbls., Guaranty Trust Co., Singapore; 112 cs., Nat. City Bank, Singapore; 112 cs., Brown Bros. & Co., Singapore; 100 cs., Chem. Nat. Bk., Singapore; Guaiac, 4 cs., E. H. Vivie & Co., Gonaives; Kauri, 1 cs., Lazard Freres, London; Oilbanum, 50 cs., Brown Bros. Co., Glasgow; Sandarac, 21 bbls., G. H. Links, London; Tragacanth, 10 cs., Brown Bros. & Co., Southampton; 53 cs., Order, Southampton; 167 bbls., Thurston & Braidich, London; 13 cs., W. Tappenbeck, London; 61 cs., 25 cs., Order, Glasgow; 48 cs., 32 bbls., Order, London.
- HERBS**—6 bbls., J. L. Hopkins & Co., Antwerp; 45 bbls., Peek & Velsor, Antwerp; 2 bbls., Order, Genoa; 120 bbls., Bernard Judae & Co., Leghorn; 25 bbls., J. Schoenegan, Hamburg; 8 bbls., Anderson Hillier Co., Hamburg; Medical, 28 bbls., Order, Leghorn.
- HYPOSULFIDE**—220 casks, Johnson & Sons, Hamburg.
- INSECTICIDE**—14 cs., 5 drs., Stumpp & Walter Co., London.
- IRON OXIDE**—15 casks, Order, Marseilles.
- IRON PERCHLORIDE**—59 casks, W. Schall & Co., Hamburg.
- LEAVES**—25 bbls., Anderson Hillier Co., Hamburg; Digitalis, 109 bbls., Order, Hamburg; Dry, 14 bbls., Order, Marseilles.
- LEECHES**—8 tubs, C. Jacobellis, Naples.
- LITHOPONE**—80 casks, E. M. & F. Waldo Bros., Antwerp; 40 casks, Reichard Coulston, Rotterdam.
- LYCOPodium**—2 cs., Continental Shpg. Corp., Danzig; 1 cse., C. B. Richard & Co., Danzig.
- MENTHOL**—25 cs., H. J. Baker & Bros., Kobe; 20 cs., McKesson & Robbins, Kobe; 10 cs., Magnus Mabec & Reynard, Kobe.
- MERCURY**—1 cse., W. Van Doorn, Rotterdam.
- MERCURIALS**—600 bbls., Order, Calcutta; 2,240 pkts., Order, Calcutta.
- OILS**—1 cse., 150 bbls., Order, Hull; Coconut, 675 tons, Balfour Williamson & Co., Manila; Codliver, 50 cs., Schiefelin & Co., Rotterdam; 200 bbls., Foreign Freight Agent, Bergen; Fusel, 19 bbls., E. I. du Pont de Nemours Co., Antwerp; Haarlem, 30 cs., Lehn & Fink, Rotterdam; Kernel, 100 bbls., Order, Hull; Linseed, 184 bbls., Nairn Lino Co., Hull; 320 bbls., Nairn Lino Co., Hull; Lubricating Mineral, 4 bbls., Oversea Oil Co., Antwerp; Nut, 769 tons, Paterson Boardman & Knapp, Hankow; Olive, 2 bbls., T. Mirena, Messina; 5 cs., P. Brann, maccio, Naples; 100 bbls., First Nat. Bk., Boston, Leghorn; 100 cs., Italian Impgt. Co., Genoa; 100 bbls., Nat. City Bk., Genoa; 250 cs., Banca Comm. Italo, Genoa; 200 cs., East River Nat. Bk., Genoa; 200 cs., A. Fiore & Co., Genoa; 210 cs., Sutherland Intern. Desp., Genoa; 510 cs., P. Pastene & Co., Genoa; 25 cs., Oceano Shipping Co., Genoa; 90 cs., Buongiorno & Zammattario, Genoa; 100 cs., F. R. Marzulli, Genoa; 50 cs., F. C. Tripi & Co., Genoa; 30 cs., L. Bergonzi, Genoa; 200 cs., Parisi Bros., Genoa; 300 cs., Oceano Shpg. Co., Genoa; 1,215 cs., Order, Genoa; 5 cs., Gallagher & Ascher, Genoa; 17 pgs., General Transport Co., Genoa; 2 bbls., Italo. Montella, Genoa; 200 cs., F. N. Giavi, Geneva; 105 cs., E. E. Marks & Co., Geneva; 75 cs., P. Parlatto, Geneva; 1,265 cs., Order, Geneva; 25 cs., C. Lazetta, Naples; 19 pgs., Hudson Trdg. & Shpg. Co., Naples; 2 bbls., Tice & Lynch, Genoa; 150 cs., J. Petrocilli & Co., Genoa; 400 cs., F. Alessie & Co., Genoa; 485 cs., Order, Genoa; 825 cs., East River Nat. Bk., Leghorn; 2,980 cs., Order, Leghorn; 40 cs., Order, Marseilles; 50 cs., Lazard Freres, Bordeaux; 2 bbls., V. Morello, Messina; 1 bbl., B. Tulera, Messina; 2 cs., G. Crimi, Messina; 14 cs., A. Sicarra, Messina; 7 pgs., Colombo Co., Messina; 5 bbls., V. Milella, Messina; Palm, 164 casks, Bk. of Brit. West Africa, Liverpool; Kernel, 100 bbls., Order, Hull; Perilla, 1,500 cs., Cook & Swan Co., Kobe; Rapeseed, 200 bbls., Hudson Oil Co., Hull; 100 bbls., Boyer Kente, Ltd., Hull; 149 bbls., First Nat. Bk., Boston, Hull; 60 bbls., Tunley & Co., Hull; 100 bbls., Order, Hull; 50 bbls., Beter Kienle & Co., Hull; 100 bbls., Tunley & Co., Hull; 1,500 bbls., Vacuum Oil Co., Hull; Wood, 1,200 bbls., Mitsui & Co., Shanghai.
- OILS, ESSENTIAL**—16 cs., Dodge & Olcott, Havre; 4 casks, Bk. of N. Y., Havre; 2 cs., Orbis Products Trdg. Co., Havre; 12 cs., Von Bremen Asche & Co., Geneva; 89 cs., P. Colonna, Naples; 14 cs., G. Carlomagna, Naples; 2 cs., Morana, Inc., Havre; 25 cs., Ungerer & Co., London; 100 cs., Lautier Fils, Messina; 304 cs., Orbis Products Trading Co., Messina; 2 cs., F. Crisafulli, Messina; 700 cs., Order, Messina; 1 bbl., Chem. Nat. Bk., Hamburg; 2 cs., Order, Hamburg; 2 cs., C. L. Huisking, Messina; Bay, 11 cs., R. Moellhausen, St. Lucia; 3 cs., Tropical Develop. & Trdg. Co., Dominica; 1 csk., R. Moellhausen, Guadeloupe; 7 cs., Santoli & Co., Arroyo; Bergamot, 20 cs., East River Nat. Bk., Messina; 200 cs., A. Chiris Co., Messina; 25 cs., Brown Bros. & Co., Messina; 25 cs., Heidelberg Ickelheimer & Co., Messina; 40 cs., Order, Messina; Cade, 1 drum, Order, Hamburg; Camphor, Brown, 100 drs., Dodge & Olcott Co., Kobe; Citronella, 11 drs., Amer. Exch. Nat. Bk., Colombo; 11 drs., Order, Colombo; 5 drs., Amer. Exch. Nat. Bk., Colombo; Colza, 10 casks, J. A. Miller, Havre; Lavender, 1 cse., Yardley & Co., London; Lemon, 100 cs., East River Nat. Bk., Messina; 280 cs., A. Chiris Co., Messina; 111 cs., Brown Bros. & Co., Messina; 100 cs., C. L. Huisking, Messina; Lime, 7 cs., Planters Produce Co., Dominica; Orange, 100 cs., G. Luaders & Co., Messina; 40 cs., A. Chiris Co., Messina; 51 cs., Brown Bros. & Co., Messina; 40 cs., Huth Gillespie & Co., Port Antonio; Patchouli, 5 cs., Huth & Co., Singapore.
- OSSEINE**—1,270 bbls., Order, Antwerp; 500 casks, Order, Marseilles.
- PAPAIN**—1 cse., C. L. Huisking, Kobe.
- PHOSPHATE**—500 bbls., Order, Antwerp.
- PHOSPHORUS**—Pentoxide, 8 cs., Bengol Trdg. Co., Hamburg; Pepsulfine, 10 cs., W. E. Miller, Antwerp; White, 320 cs., W. E. Miller, Antwerp; 300 cs., W. E. Miller, Antwerp.
- PIASSAVA**—980 bbls., Order, Hamburg.
- PIMENTO**—250 bbls., Nortz & Co., Port Antonio.
- PLUMBAGO**—1 cse., Amer. Exp. Co., Colombo; 100 bbls., H. P. Winter & Co., Colombo; 150 bbls., Brown Bros. & Co., Colombo; 3 bbls., G. E. Pettinos & Co., Colombo; 32 bbls., Irving Nat. Bk., Colombo; 90 bbls., Nat. City Bk., Colombo; 96 bbls., First Federal Foreign Bking Corp., Colombo.
- POTASSIUM SALTS**—5 casks, Order, Hamburg; Chloride, 1,000 bbls., Soc. Conim des Potasses d'Alsace, Antwerp; Permanganate, 19 drs., Order, Antwerp; Prussiate, 12 casks, Superfos Co., Copenhagen; 11 pkgs., Order, Danzig.
- QUININE**—25 cs., Mallinckrodt Chem. Wks., Rotterdam; Products, 25 cs., Amer. Exp. Co., Rotterdam; 29 cs., W. Van Doorn, Rotterdam.
- REFUSE LAC**—500 bbls., Bank of Manhattan Co., Calcutta; 500 bbls., Bank of Manhattan Co., Calcutta; 100 bbls., Bank of Amer., Calcutta.
- RENNET**—10 casks, 5 kgs., Bernhan Chem. & Metal Corp., Copenhagen; Powder, 2 cs., Penn. R. R. Co., Copenhagen.
- ROOT**—60 bbls., First Nat. Bk., Minneapolis, Antwerp; 4 cs., W. Van Doorn, Rotterdam; 3 cs., A. Stallman & Co., Hamburg; 11 bbls., Peek & Velsor, Hamburg; 7 bbls., J. Schoenegan, Hamburg; 6 bbls., 3 cs., Anderson Hillier Co., Hamburg; Broom, 156 bbls., Sociedad Anonima de Minas & Montes, Vera Cruz; Gentian, 57 bbls., Order, Marseilles; Ipecac, 5 bbls., Order, Manaus;
- Licorice, 143 casks, Order, Marseilles; 100 cs., C. Recchione, Naples; Orris, 229 bbls., Order, Leghorn; 205 bbls., 2 cs., Order, Leghorn; Sarsaparilla, 10 bbls., Westfeldt Bros., Vera Cruz; Scammony, 4 bbls., Order, Hamburg; Valerian, 11 bbls., Order, Calcutta.
- SAFRON**—1 cse., Order, Geneva; 11 bbls., Gomez & Sloan, Vera Cruz.
- SAL AMMONIAC**—35 casks, Order, Hamburg.
- SALT**—50,041 bushels, Order, Turks Island.
- SEED**—6 bbls., Pasquale Rinaldi, Naples; 118 bbls., G. W. Sheldon & Co., Rotterdam; 108 cs., Order, Rotterdam; 10 bbls., Anderson Hillier Co., Hamburg; Anise, 80 cs., W. N. Tappenbeck, Hongkong; Annatto, 175 bbls., Order, Rotterdam; Clover, 130 bbls., Order, London; Coriander, 354 bbls., G. T. German, London; 250 bbls., Vulcan Foreign Commerce, Rotterdam; Cumini, 200 bbls., G. T. German, London; Millet, Red, 1,111 bbls., G. W. Sheldon & Co., Kobe; Mustard, Yellow, 48 bbls., Catz Amer. Co., Rotterdam; Poppy, 100 bbls., C. E. Armstrong, Rotterdam; 100 bbls., Levy & Lewis Co., Rotterdam; 100 bbls., Levy & Lewis Co., Rotterdam; 400 bbls., Frame & Co., Rotterdam; 200 bbls., Archibald & Lewis, Rotterdam; 50 bbls., Liebman Bros., Rotterdam; 150 bbls., Graham Co., Rotterdam; 150 bbls., Graham Co., Rotterdam; 150 bbls., Archibald & Lewis, Rotterdam; 100 bbls., Crandall Pettie Co., Rotterdam; 98 bbls., Order, Rotterdam; Rape, 280 bbls., C. J. Sperco & Son, Rotterdam; Staranised, 25 cs., Order, Hongkong.
- SEED LAC**—124 bbls., Bank of Amer., Calcutta.
- SENNA**—34 casks, Order, London.
- SHELLAC**—450 cs., Brown Bros. & Co., Calcutta; 200 bbls., Bk. of Manhattan Co., Calcutta; 50 bbls., Irving Nat. Bk., Calcutta; 925 bbls., Order, Calcutta; 100 cs., Lee Higginson & Co., Calcutta; 200 bbls., Mechanics & Met. Nat. Bk., Calcutta; 100 bbls., Br. Bk. of So. Amer., Calcutta; 100 bbls., London & Liverpool Bk. of Commerce, Calcutta; 400 bbls., Brown Bros. & Co., Calcutta; 720 bbls., 51 cs., Order, Calcutta; 498 bbls., Ralli Bros., London; Garnet, 60 bbls., Irving Nat. Bk., Calcutta.
- SOAP**—4 cs., Yardley & Co., London; 600 bbls., Irving Nat. Bk., Leghorn; 500 cs., C. L. Huisking, Inc., Leghorn; 500 cs., Leghorn Trdg. Co., Leghorn; 50 cs., Order, Leghorn; 3 cs., Draeger Shpg. Co., Hamburg.
- SODIUM SALTS**—Bromide, 200 cs., Superfos Co., Hamburg; Chlorate, 25 drs., A. H. Pickering, Genoa; 203 drs., Brown Bros. & Co., Genoa; Cyanure, 112 cs., Nat. City Bk., Havre; Prussiate, 29 bbls., T. F. Bischoff, Antwerp; 12 casks, H. W. Peabody & Co., Rotterdam; 26 casks, Bernhard Scholle & Co., Rotterdam; 118 casks, Order, Rotterdam; 19 cs., Irving Nat. Bk., Hamburg; Silicate, 39 bbls., P. N. Braun, Genoa; Sulfide, 200 drs., Guaranty Trust Co., Antwerp; Superborat, 32 drs., Nat. Amer. Bk., Hamburg; Yellow Prussiate, 9 casks, Order, Antwerp.
- TALC**—330 bbls., Ital. Disc. & Trust Co., Genoa; 300 bbls., C. Mathieu, Genoa; 400 bbls., Parfum de Luxe Coty, Genoa; 1,200 bbls., Ital. Disc. & Trust Co., Genoa; 400 bbls., C. Mathieu, Genoa; 20 casks, Order, Marseilles.
- TAPIOCA**—Flour, 1,584 bbls., Kane Mfg. Co., Rotterdam; 2,221 bbls., Order, Rotterdam; Pearl, 188 bbls., Bridgetts & Co., Singapore; 187 bbls., Order, Singapore; Seed, 125 bbls., Bridgetts & Co., Singapore; 72 bbls., Order, Singapore.
- TARTAR**—36 casks, Tartar Chem. Wks., Naples; Cream, 25 casks, Order, Rotterdam.
- UMBER**—70 casks, L. H. Butcher Co., Hull.
- UREA**—80 pkgs., Kuttroff Pickhardt & Co., Rotterdam; 45 pkgs., Kuttroff Pickhardt & Co., Rotterdam.
- WAX**—Carnauba, 205 bbls., London & River Plate Bk., Bahia; 84 bbls., W. R. Grace & Co., Bahia; 68 bbls., Internat. Acceptance Bk., Ceara; 212 bbls., London & Brazil Bk., Ceara; 235 bbls., Lazard Freres, Ceara; 125 bbls., Irving Nat. Bk., Ceara; 55 bbls., Natl. Park Bk., Ceara; 20 bbls., Order, Ceara; Vegetable, 300 cs., Strohmeier & Arpe Co., Kobe.
- ZINC**—Oxide, 100 casks, E. M. & F. Waldo Bros., Antwerp.

During the meeting of the American Iron and Steel Institute, in New York, last week, Judge Gary of the United States Steel Corporation expressed optimistic views of the business outlook in a speech at the opening of the convention. Other leaders in the industry said that conditions were better than for some time.

The Channell Chemical Co. of Chicago has declared dividends of \$2 a share on the Class "B" stock, payable Jan. 2 to holders of record Dec. 20, of \$1.50 a share on the Class "A" stock, payable Nov. 1 to holders of record Oct. 17 and of 3½ per cent on the preferred, payable Jan. 2 to holders of record Dec. 30.

IMPORTS AT SAN FRANCISCO

Imports at San Francisco for the third week of October included the following: On the steamer Astronomer, from London, to order 30 bales cassia; from Liverpool, to order 884 crates palm oil, to Balfour, Guthrie & Co. 264 crates silicate of soda and 1,290 bags china clay, to the Sherwood Co. 75 barrels ginger ale, to order 500 bags cocoa and 67 cases zinc oxide. On the steamer West Ivan, from Singapore, to order 50 cases gum copal, 25 cases gum damar, 80 bags nutmegs and 205 cases gambier, to the Pacific Orient Co. 35 bags nutmegs; from Zamboanga, to Atkins, Kroll & Co. 2,029 sacks copra, to El Dorado Oil Works 1,589 sacks copra; from Legaspi, to El Dorado Oil Works 8,066 sacks socpra and to International Banking Corporation 3,624 sacks copra; from Lobaco, to El Dorado Oil Works 800 sacks copra, and to International Banking Corporation 2,525 sacks copra; from Cebu, to International Banking Corporation 3,656 sacks copra; from Romblon, to El Dorado Oil Works 317.89 long tons copra. On the steamer Bohemian Club, from Manila, to Babcock & Templeton, 3,118 sacks copra and to Procter & Gamble 1,000 short tons cocoanut oil.

The American Zinc, Lead and Smelting Co. reports net profits of \$126,191 for the quarter ended Sept. 30, before depreciation, against a deficit of \$22,418 in the same period last year. For the first nine months of the year net profits totaled \$286,959, against a deficit of \$148,331 in 1921.

The American Smelting and Refining Co. is negotiating for the sale of an issue of bonds, amounting to between \$5,000,000 and \$6,000,000 for use in Mexico. Kuhn, Loeb & Co. are the bankers.

CANADA BUYING MORE U. S. DRUGS

(Special to DRUG & CHEMICAL MARKETS)

Toronto, Canada, Nov. 1.—The monthly report of the Trade of Canada for August gives the value of imports of dyeing and tanning materials as follows: From Britain, \$13,114; United States, \$210,886; other countries, \$50,078; total, \$274,078; compared with imports from Britain, \$12,785; United States, \$201,387; other countries, \$80,275; total, \$294,447, for August, 1921.

Imports of aniline and coal-tar dyes included in the above were: From Britain, 22,450 lbs., value \$9,683; United States, 156,056 lbs., value \$101,383; Germany, 14,026 lbs., value \$14,636; Netherlands, 7,450 lbs., value \$9,700; Switzerland, 8,326 lbs., value \$5,621; other countries, 12,131 lbs., value \$9,927; total, 220,439 lbs., value \$150,950; compared with imports from Britain, 8,200 lbs., value \$8,913; United States, 72,160 lbs., value \$80,314; Germany, 673 lbs., value \$2,587; Switzerland, 5,545 lbs., value \$6,251; total, 86,578 lbs., value \$98,065, during August, 1921.

For the quarter ending Oct. 1, the Coca Cola Co. reports a net income of \$2,464,767 after deducting all expenses and interest charges. This figures \$2.43 per share. In the previous quarter the stock earned \$5.16 per share.

The Diamond Match Co. has declared the regular quarterly dividend of \$2 a share, payable Dec. 15 to stock of record Nov. 30.

The Corn Products Refining Co., Inc., has filed a judgment for \$3,287.95 against the Triangle Products Co., Inc.

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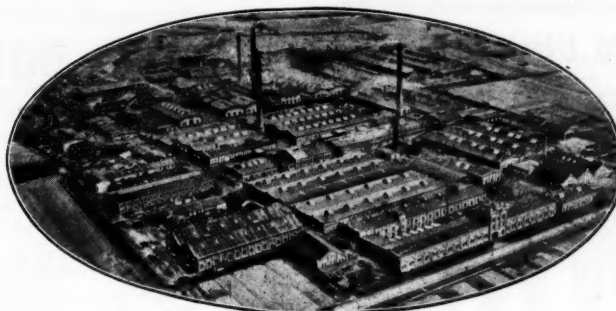
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CINCINNATI	U. S. Industrial Alcohol Co., Evans St. and C. H. D. R. R. Crossing
PEORIA	U. S. Industrial Alcohol Co.

Index To Advertisers

Abbott Laboratories	—
Amecousema American Trading House	1155
Baird & McGuire	1153
M. L. Barrett Co.	1155
The Barrett Co.	1046
Battelle & Renwick	1150
Bowker Chemical Co.	1164
Buffalo Foundry & Machine Co.	1110
W. J. Bush & Co.	4th cover
Calco Chemical Co.	1044
Carbide & Carbon Chemical Corp.	4th cover
The Chatfield Mfg. Co.	1164
The Chemical Age	898
Chemical Trade Journal	1167
Chicago Starch Co.	1095
Antoine Chiris Co.	1156
Church & Dwight	1100
The Cleveland-Cliffs Iron Co.	1151
Commercial Solvents Corp.	1140
Commonwealth Chemical Corp.	1098
Contact Process Co.	1161
Charles Cooper & Co.	1139
Darco Sales Corp.	1153
Diamond Alkali Co.	1162
The Dow Chemical Co.	1141
E. I. du Pont de Nemours & Co., Acids & Heavy Chemical Div.	1083
Dyestuffs Department	1147
Intermediates Department	1107
Dye, Drug & Chemical Co.	1155
Dye Products & Chemical Co.	1155
Eastman Kodak Co.	1154
Electro Bleaching Gas Co.	1143
Ellis Jackson & Co.	1045
Essex Aniline Works	1100
B. G. Feinberg	1164
E. Fougere & Co.	1139
Fries & Fries Co.	1158
Fritzsche Bros.	1157
Gary Chemical Co.	1164
General Chemical Co.	1109
Grasselli Chemical Co.	1140
Dyestuffs Dept.	1034
William S. Gray & Co.	4th cover
R. W. Greff Co.	1143
Guasti-Finch Chemical Co.	1154
Edward Hill's Son & Co.	1142
Hoffman-La Roche Chemical Works.	1148
Industrial Chem. Co.	1150
Innis Speiden & Co.	1146
Jordan Coal Tar Products Co.	1164
La Revue des Produits Chimiques.	—
Jose Lopez	1090
Magnus, Mabec & Reynard, Inc.	1158
Mallinckrodt Chemical Works	4th cover
Mathieson Alkali Works	1154
May & Baker	1153
McKee Bros.	1164
Merchants Chemical Co.	1026
Merck & Co.	1164
Meteor Products Co.	1108
H. A. Metz & Co.	1144
The Miner-Edgar Co.	2nd cover
Monsanto Chemical Works	1157
Morana, Incorporated	1161
Nashville Industrial Corp.	—
National Aniline & Chemical Co.	1152
New Brunswick Chemical Co.	1165
Newport Chemical Works	1090
Nichols Copper Co.	1161
N. R. Papp	1081
Perth Amboy Chemical Works	1163
Pfaltz & Bauer	915
Pharma Chem. Corp.	1139
Powers-Weightman-Rosengarten Co.	1155
Rhodia Chem. Co.	1145
The Roseler & Hasselacher Chem. Co.	1147
The Selden Co.	1043
Semet-Solvay Co.	1149
Solvay Process Co.	1084
Southern Dyestuffs Co.	1094
Charles V. Sparhawk	4th cover
Stein Hall & Co.	1159
Superfos Co.	1166
Ungerer & Co.	1166
U. S. Industrial Chemical Co.	1166
U. S. Industrial Alcohol Co.	1159
Victor Chemical Works	1146
The Warner Chemical Co.	1139
Wilkes-Martin-Wilkes Co.	1149
Wing & Evans	1152
Jaques Wolf & Co.	1108
The Yakugo Shuho	—

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